Progress Energy

February 23, 2010

Ms. Jocelyn Boyd
Acting Chief Clerk & Administrator
Public Service Commission of South Carolina
P. O. Drawer 11649
Columbia, South Carolina 29211

RE: 2009 Testing Program of Meters, Docket No. 89-499-E

Dear Ms. Boyd:

Under Commission Rule 103-370(1) and in accordance with the Commission's Order in Docket No. 89-499-E, Order No. 90-131, dated February 6, 1990, Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. (PEC) is authorized to use a sample meter testing plan for testing single-phase meters and three-phase (self-contained) non-demand meters, and to periodically test other meters in accordance with approved test plans. PEC is transmitting herewith the Company's 2009 Statistical Watt-Hour Meter Sample and Periodic Meter Test Results.

All groups of meters passed the Commission's criteria as set forth in the above-referenced Rule and Order, including Age Group 847, which failed to pass these criteria in 2008. Group 847 consists of General Electric Type KV meters, which are solid-state (but not remotely-read) three-phase, T-rated, demand and time-of-use (TOU) meters. In accordance with Rule 103-370(1) and the Commission's Order in Docket No. 89-499-E, Order No. 90-131, dated February 6, 1990, PEC implemented a three-year corrective action program for Group 847 in 2009, consisting of accelerated testing and maintenance to raise the accuracy performance of this group to acceptable standards. Under this program, all of the meters in this group will be tested by the end of 2011. There is presently a total of 4,185 meters in this group in North and South Carolina, 316 fewer than last year due to attrition. A sample size of 1,372 meters was tested in 2009, which is approximately one third of the group's population. Thirty-six of the 1,372 meters in the 2009 systemwide test group did not meet the plus-or-minus 2% accuracy

Progress Energy Service Company, LLC
P.O. Box 1551
Raleigh, NC 27602

parameter set forth in the Commission's rules, and were replaced by comparable meters from other manufacturers (PEC no longer purchases General Electric Type KV meters).

In response to regulatory interest in the radio link between PEC's solid-state mobile meter reading ("MMR") meters and the receivers located in the meter reading vehicles that are used to obtain "drive-by" meter readings, PEC presently conducts transmit/receive tests for all MMR meters included in PEC's yearly Selective Sample program to ensure that the meter reading data being transmitted by each meter is being received accurately by the mobile collector units. All of the 1,825 residential MMR meters that were included in the 2009 Selective Sample program (Groups 20 through 27 and Groups 36 and 46) were tested for discrepancy between transmitted and received meter reading data, and in 100.0% of these cases the reading at the receiver was identical to the value transmitted by the meter. PEC plans not to include a similar paragraph in next year's filing cover letter unless these continuing tests reveal any discrepancies.

If you have any questions or require any additional information, please call me at (919) 546-6367.

Sincerely,

Len S. Anthony
General Counsel
Progress Energy Carolinas, Inc.

LSA:mhm

Enclosures

cc: Mr. John Flitter (w/ enclosures)

STAREG899

PEC Meter Classification Key

Progress Energy – Carolinas

A break-down of the code used for the PEC meter classifications ** ** ** (12 34 56).

For example: SS *1 NI, would be a Solid-State meter either self contained or T-rated Non-initiating

For positions 12
ND = Non-Demand
TD = Thermal Demand
MD = Mechanical Demand
ED = Electronic Demand (hybrid)
TO = Time-of-use
TR = Transducer
SS = Solid-State meter
RE = Recorder
VV = Volt-Squared Hour
SD = Solid-State Demand
ST = Solid-State TOU
SP = Solid-State Prepay

For positions 34
S = Self contained
T = Transformer Rated
1 = Single Phase
3 = Three Phase

For Positions 56
NI = Non-Initiating
WI=With-Initiating

2009 Selective Sample Program

Progress Energy Carolinas, Inc.
2009 Watthour Meter Sample
Watthour Meter Groupings

Group	Manufacturer	Type(s)	Description	Test Plan	Sample Size	Population	Pass/Fail
11	ABB/Elster	A1+, A3	Single-phase, self-contained, demand and TOU	Double Sample Phase-I	184	6921	Pass
17	Landis & Gyr	DXMX	Single-phase, self-contained, TOU	Double Sample Phase-I	183	10,607	Pass
20	Itron	Centron	Single-phase, self-contained & T-rated, with ERT Module	Double Sample Phase-I	184	19,448	Pass
21	Itron	C1SR	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	180	331,632	Pass
22	Itron	C1SR	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	184	24,864	Pass
23	Itron	C1SR	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	181	273,130	Pass
24	Itron	C1SR	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	183	249,117	Pass
25	Itron	C1SR	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	184	267,029	Pass
26	Itron	C1SR	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	181	125,496	Pass
27	Itron	C1SR	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	185	17,203	Pass
30	General Electric	EV, KV, KV2, I70	Single-phase, self-contained and T-rated, demand & TOU	Double Sample Phase-I	185	8448	Pass
33	General Electric	I70	Single-phase, self-contained and T-rated, electronic demand and TOU	Double Sample Phase-I	183	11,490	Pass
35	ABB/Elster	A1, A3	Single-phase, self-contained and T-rated, demand & TOU	Double Sample Phase-I	183	6019	Pass
36	General Electric	I210	Single-phase, self-contained, with ERT Module	Double Sample Phase-I	181	15,527	Pass
46	Itron	Centron, Sentinel	Three-phase and network, self-contained with ERT Module	Double Sample Phase-I	181	35,035	Pass

Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 11 Summary

Group Information

Manufacturer: ELSTER

Watthour Meter Type(s): A1+,A3

PE Type Code(s): H38,H39,H40,H41,H43,H44

Meter Classification: S*S1NI

Methodology: Double Sampling Phase 1

Population: 6921

Sample Size: 184

Full Load Test Summary

Mean: 99.964

Standard Deviation: 0.0505

Number of Tests > 102%: 0

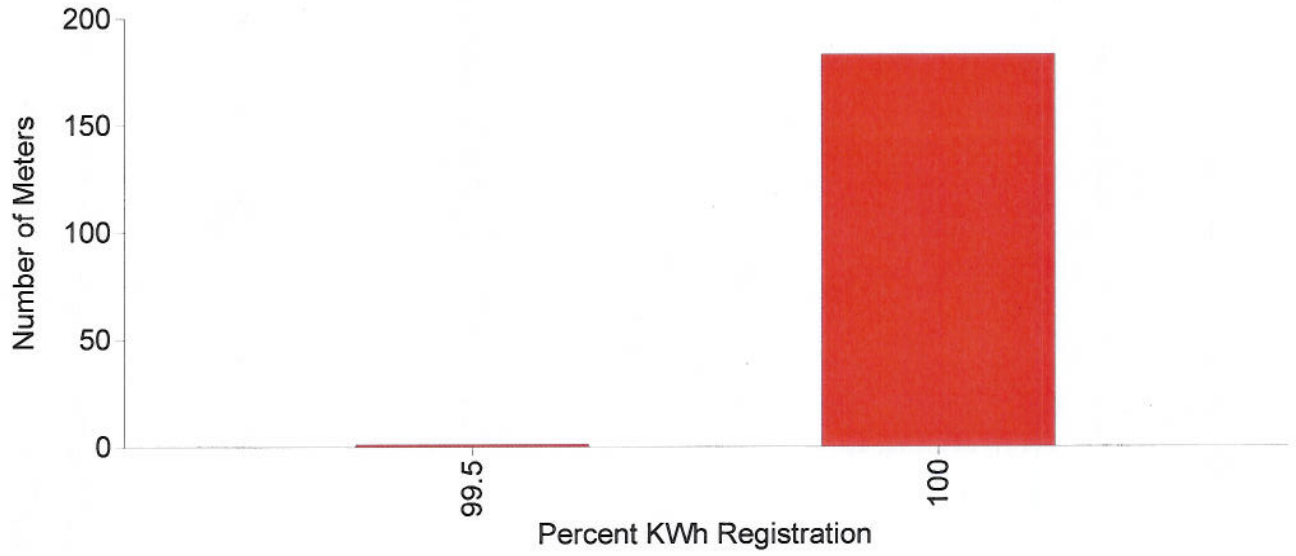
Number of Tests 98 - 102%: 184

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 11 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 17 Summary

Group Information

Manufacturer: L&G

Watthour Meter Type(s): DXMX

PE Type Code(s): U09

Meter Classification: TOS1NI

Methodology: Double Sampling Phase 1

Population: 10607

Sample Size: 183

Full Load Test Summary

Mean: 99.806

Standard Deviation: 0.2723

Number of Tests > 102%: 0

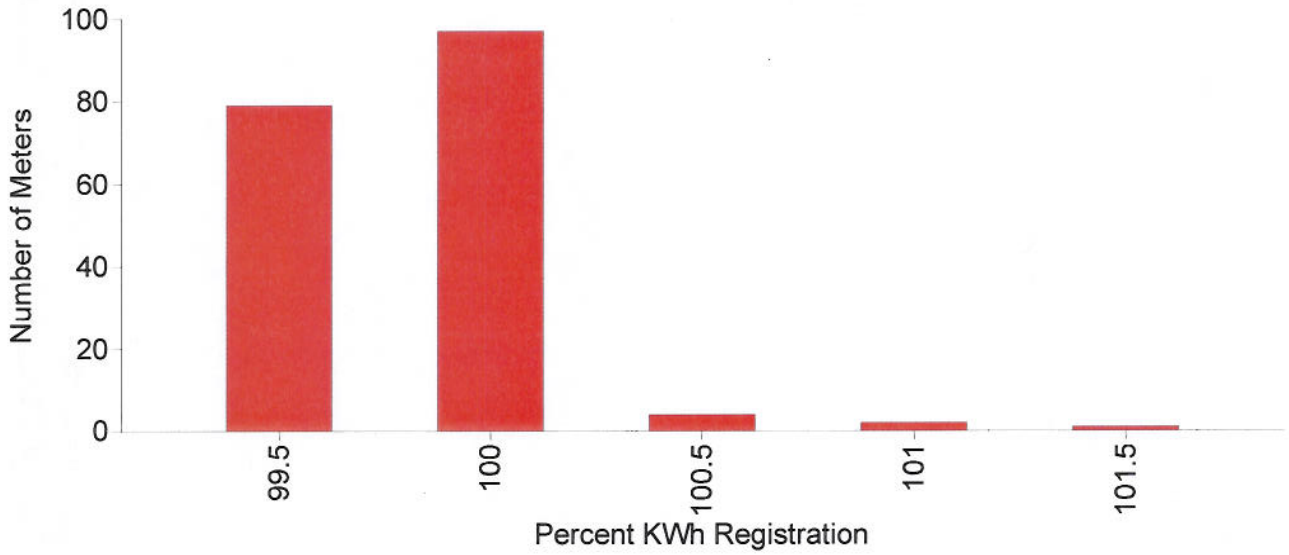
Number of Tests 98 - 102%: 183

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 17 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 20 Summary

Group Information

Manufacturer: ITRON

Watthour Meter Type(s): CENTRON

PE Type Code(s): S24,M33,M34

Meter Classification: SS*1NI

Methodology: Double Sampling Phase 1

Population: 19448

Sample Size: 184

Full Load Test Summary

Mean: 100.049

Standard Deviation: 0.1144

Number of Tests > 102%: 0

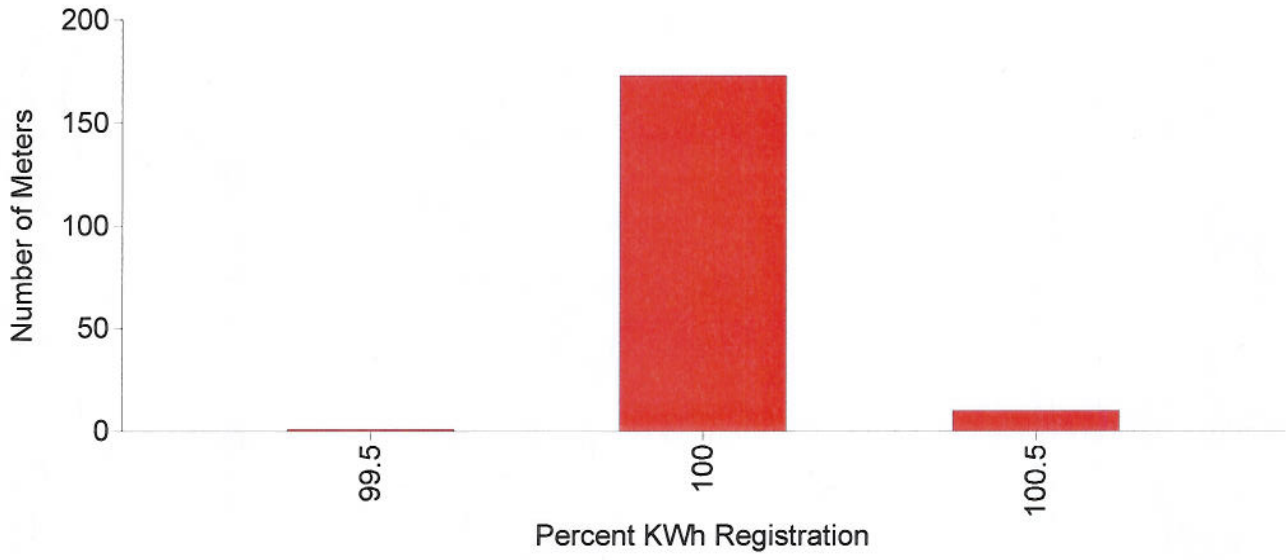
Number of Tests 98 - 102%: 184

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 20 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 21 Summary

Group Information

Manufacturer: ITR

Watthour Meter Type(s): C1SR

PE Type Code(s): S25

Meter Classification: SSS1NI MI

Methodology: Double Sampling Phase 1

Population: 331632

Sample Size: 180

Full Load Test Summary

Mean: 100.058

Standard Deviation: 0.1022

Number of Tests > 102%: 0

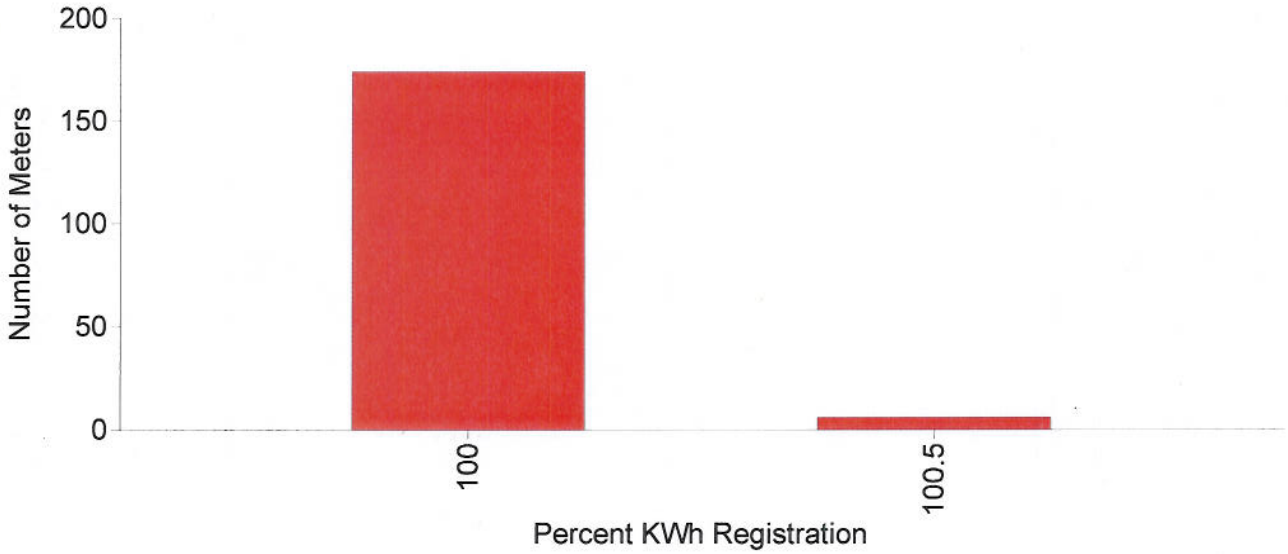
Number of Tests 98 - 102%: 180

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 21 Meter Accuracies



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2009 SELECTIVE SAMPLE

Watthour Meter Group 22 Summary

Group Information

Manufacturer: ITR

Watthour Meter Type(s): C1SR

PE Type Code(s): S26

Meter Classification: MMR

Methodology: Double Sampling Phase 1

Population: 24864

Sample Size: 184

Full Load Test Summary

Mean: 100.112

Standard Deviation: 0.0832

Number of Tests > 102%: 0

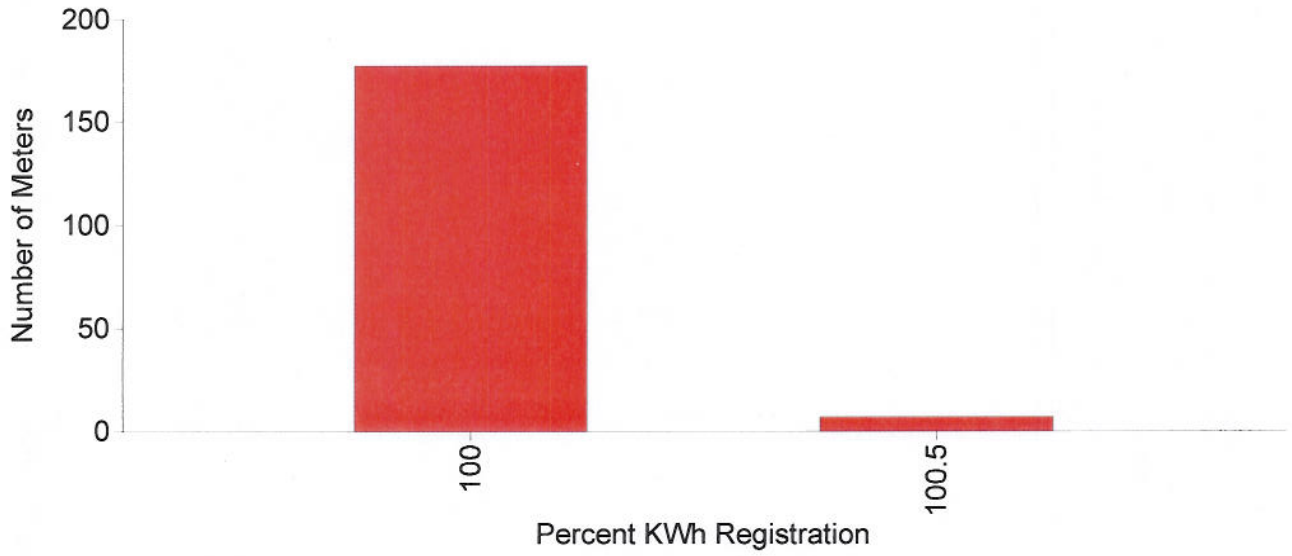
Number of Tests 98 - 102%: 184

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 22 Meter Accuracies



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2009 SELECTIVE SAMPLE

Watthour Meter Group 23 Summary

Group Information

Manufacturer: ITR

Watthour Meter Type(s): C1SR

PE Type Code(s): S27

Meter Classification: SSS1NI MI

Methodology: Double Sampling Phase 1

Population: 273130

Sample Size: 181

Full Load Test Summary

Mean: 100.005

Standard Deviation: 0.0948

Number of Tests > 102%: 0

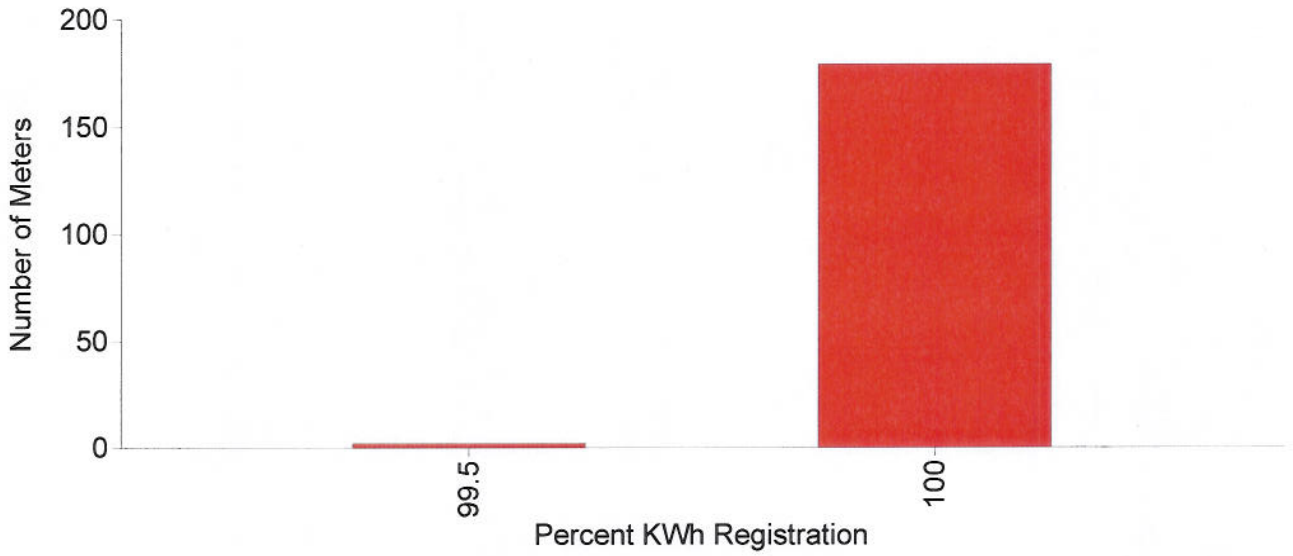
Number of Tests 98 - 102%: 181

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 23 Meter Accuracies



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2009 SELECTIVE SAMPLE

Watthour Meter Group 24 Summary

Group Information

Manufacturer: ITR

Watthour Meter Type(s): C1SR

PE Type Code(s): S28

Meter Classification: SSS1NI MI

Methodology: Double Sampling Phase 1

Population: 249117

Sample Size: 183

Full Load Test Summary

Mean: 100.023

Standard Deviation: 0.1036

Number of Tests > 102%: 0

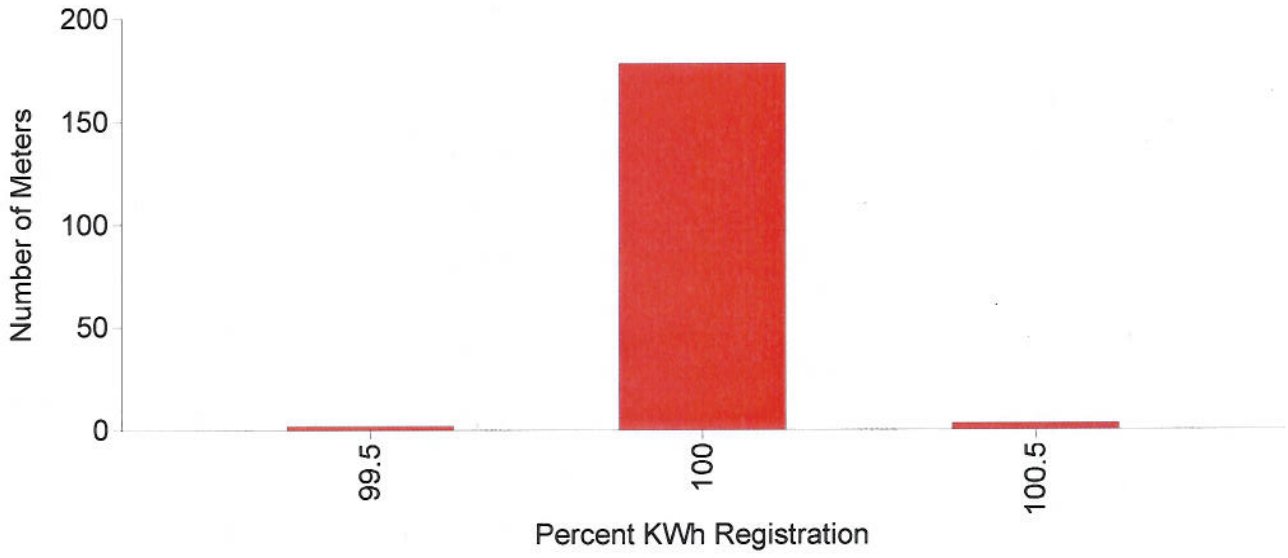
Number of Tests 98 - 102%: 183

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 24 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 25 Summary

Group Information

Manufacturer: ITR

Watthour Meter Type(s): CENTRON (C1SR)

PE Type Code(s): S29

Meter Classification: SSS1NI MI

Methodology: Double Sampling Phase 1

Population: 267029

Sample Size: 184

Full Load Test Summary

Mean: 99.995

Standard Deviation: 0.1064

Number of Tests > 102%: 0

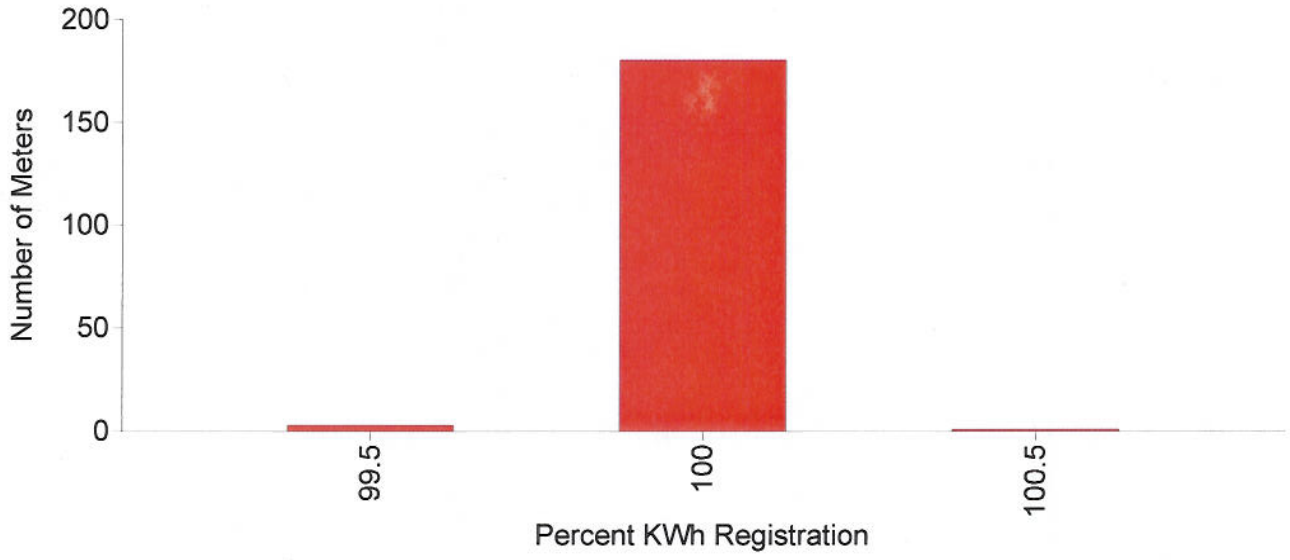
Number of Tests 98 - 102%: 184

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 25 Meter Accuracies



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2009 SELECTIVE SAMPLE

Watthour Meter Group 26 Summary

Group Information

Manufacturer: ITR

Watthour Meter Type(s): CENTRON (C1SR)

PE Type Code(s): S30

Meter Classification: SSS1NI MI

Methodology: Double Sampling Phase 1

Population: 125496

Sample Size: 181

Full Load Test Summary

Mean: 100.001

Standard Deviation: 0.1031

Number of Tests > 102%: 0

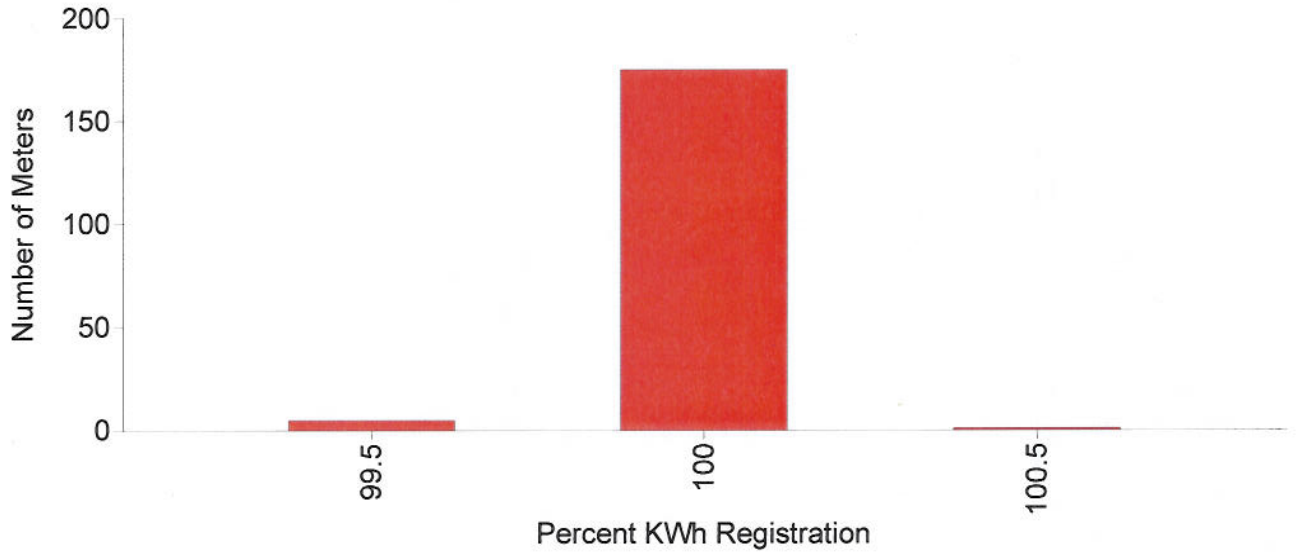
Number of Tests 98 - 102%: 181

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 26 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 27 Summary

Group Information

Manufacturer: ITRON

Watthour Meter Type(s): CENTRON (CISR)

PE Type Code(s): S31

Meter Classification: SSS1NI

Methodology: Double Sampling Phase 1

Population: 17203

Sample Size: 185

Full Load Test Summary

Mean: 100.039

Standard Deviation: 0.0939

Number of Tests > 102%: 0

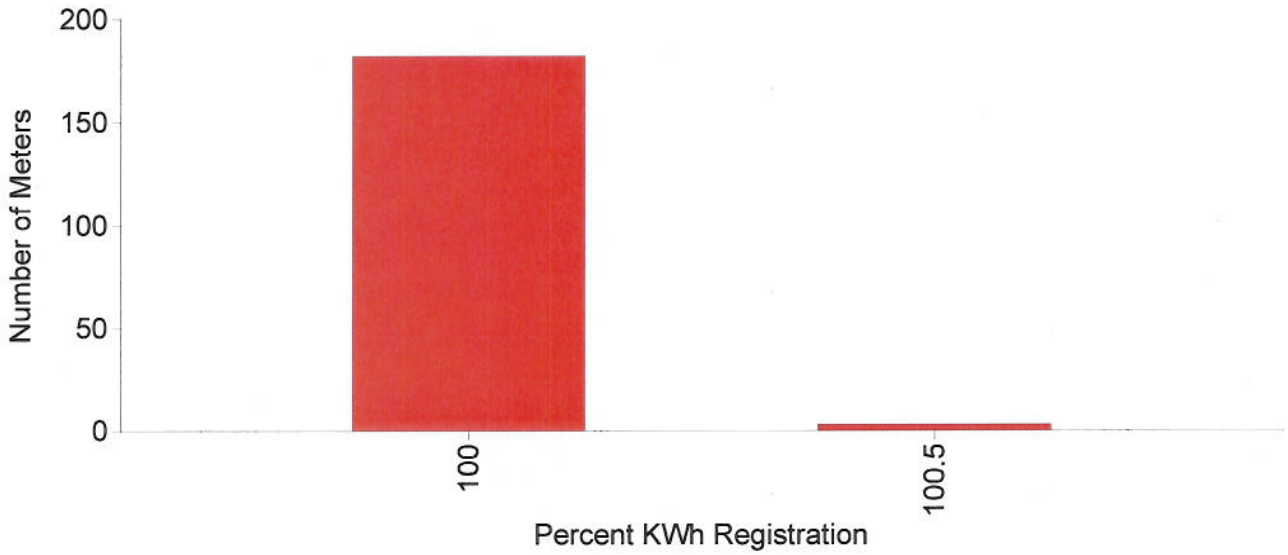
Number of Tests 98 - 102%: 185

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 27 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 30 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): EV,KV,KV2,I70,

PE Type Code(s): E40,E41,LM9,E42,E43,E44,E45,LR8,LT3,E46,E47,E48,E52,E53,LT6,LN5,E49, E50,E51

Meter Classification: S**1NI

Methodology: Double Sampling Phase 1

Population: 8448

Sample Size: 185

Full Load Test Summary

Mean: 99.913

Standard Deviation: 0.3569

Number of Tests > 102%: 0

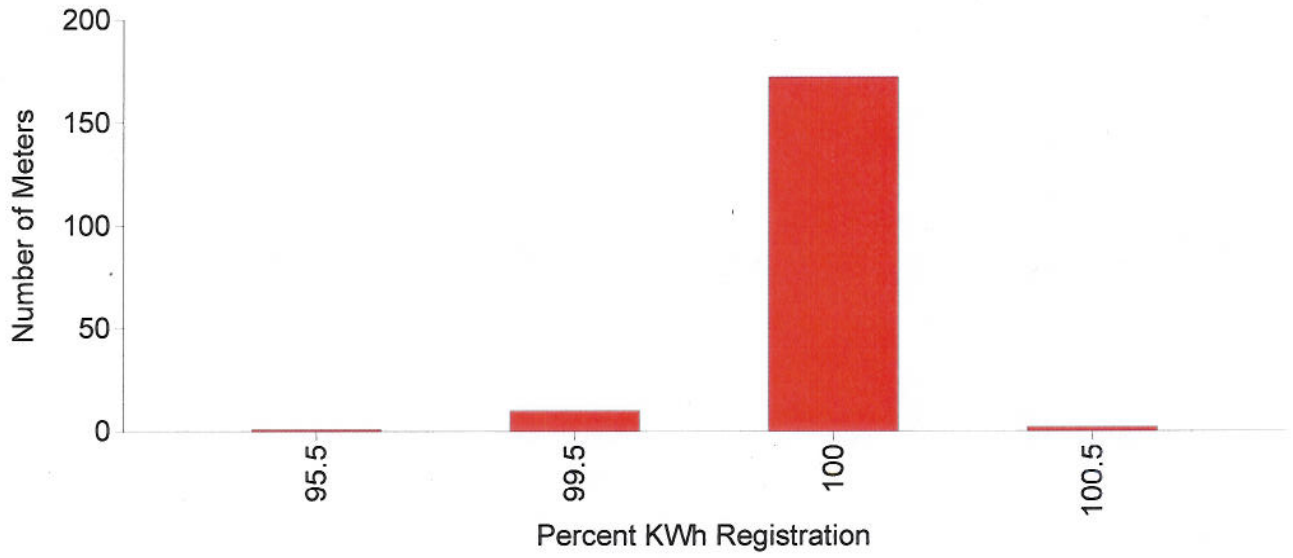
Number of Tests 98 - 102%: 184

Number of Tests < 98%: 1

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 30 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 33 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): I70

PE Type Code(s): E29,E35,E30,E32,E34,E36,LC6,LG7,E33,E37,E39,LB7,LC7,LG4,LG9,LL5,LM8

Meter Classification: ***1*I

Methodology: Double Sampling Phase 1

Population: 11490

Sample Size: 183

Full Load Test Summary

Mean: 99.978

Standard Deviation: 0.377

Number of Tests > 102%: 0

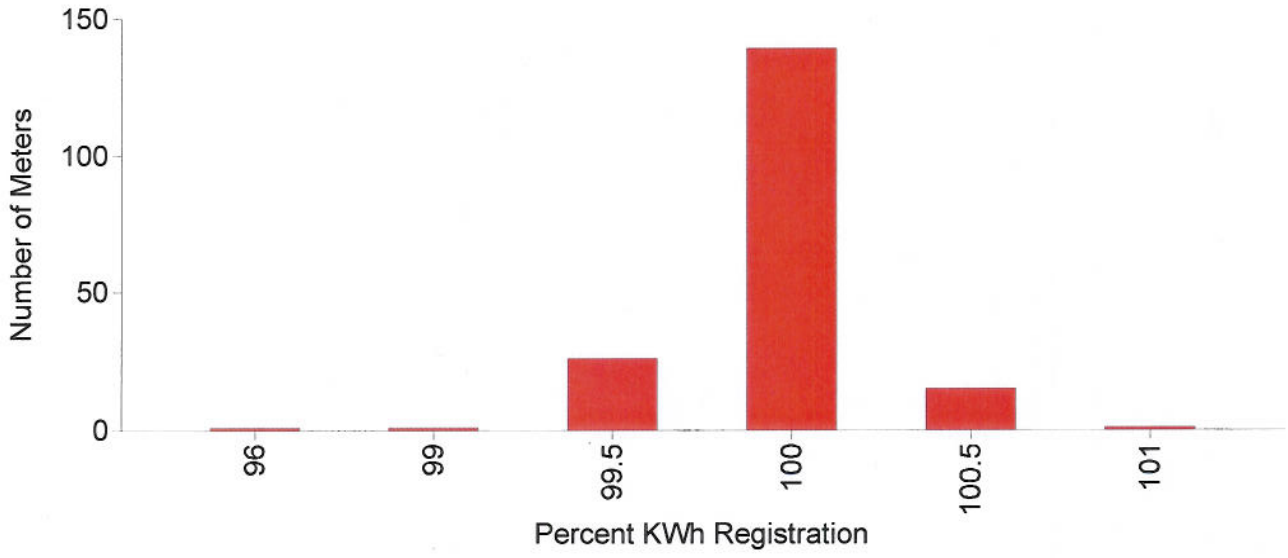
Number of Tests 98 - 102%: 182

Number of Tests < 98%: 1

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 33 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 35 Summary

Group Information

Manufacturer: ABB/ELSTER

Watthour Meter Type(s): A1,A3

PE Type Code(s): H21,H30,H31,H32,H33,H34,Y43,Y48,Y63,Y68,H22,H23,H24,H25,H26,H27,H28, H29,H35,H36,H37,H42,H45,H46,TE4,TE5,TE6,TE7,TE8,TE9,TF1,TF2,TG6,TG7,TG9, TH5,TK5,TK6,TL6

Meter Classification: S****I

Methodology: Double Sampling Phase 1

Population: 6019

Sample Size: 183

Full Load Test Summary

Mean: 99.997

Standard Deviation: 0.0451

Number of Tests > 102%: 0

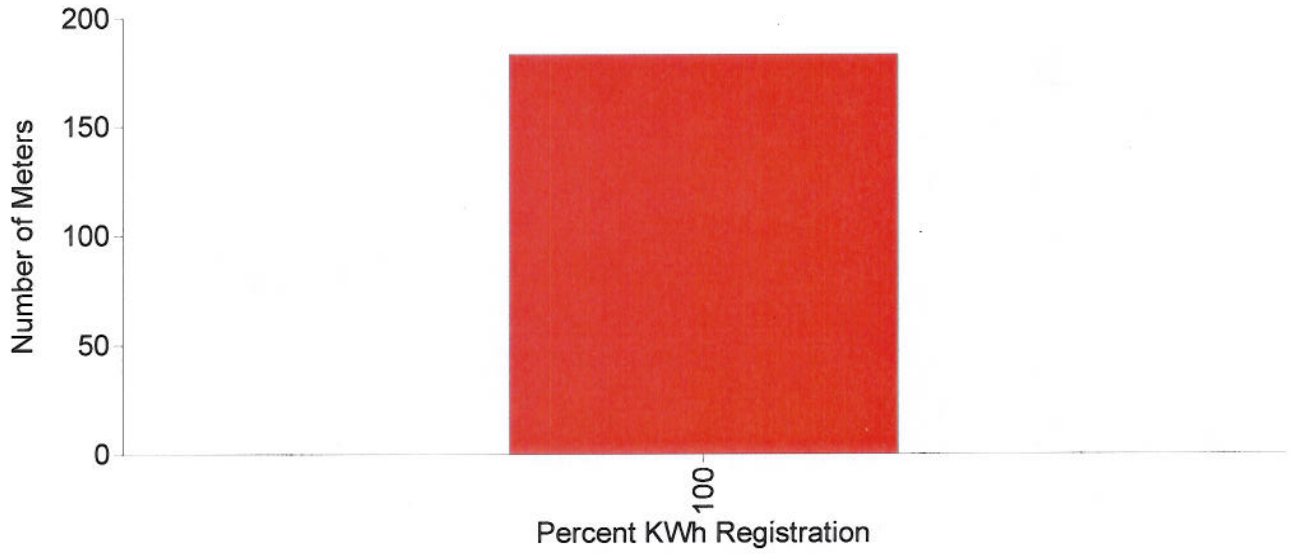
Number of Tests 98 - 102%: 183

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 35 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 36 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): I-210

PE Type Code(s): G42,G43

Meter Classification: SSS1NI

Methodology: Double Sampling Phase 1

Population: 15527

Sample Size: 181

Full Load Test Summary

Mean: 99.981

Standard Deviation: 0.0818

Number of Tests > 102%: 0

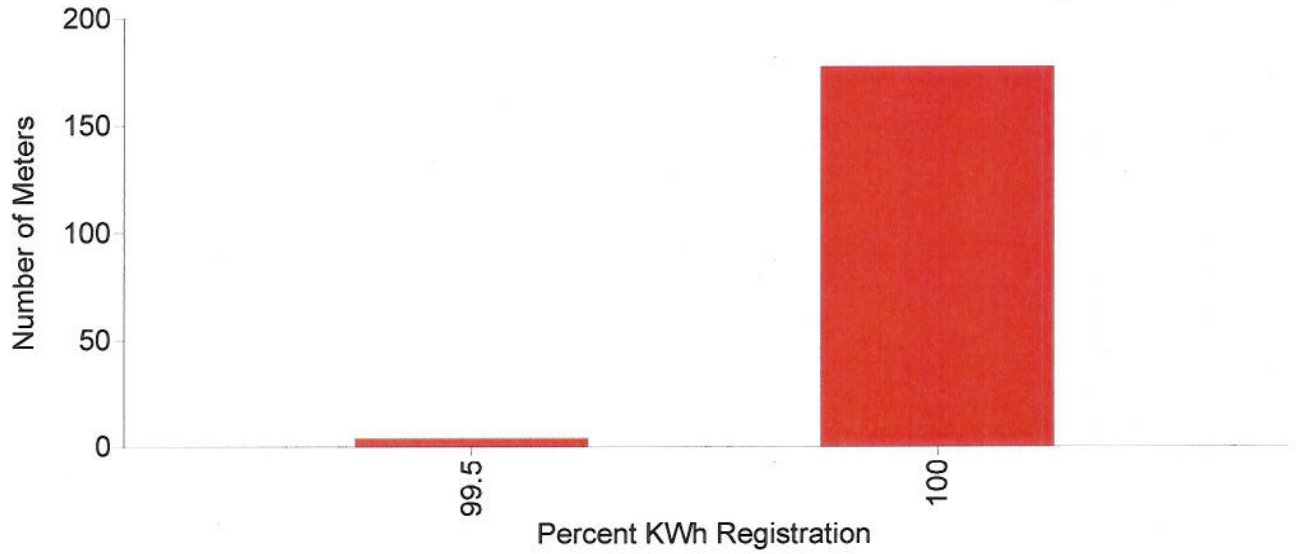
Number of Tests 98 - 102%: 181

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 36 Meter Accuracies



Progress Energy - Carolinas

2009 SELECTIVE SAMPLE

Watthour Meter Group 46 Summary

Group Information

Manufacturer: ITRON

Watthour Meter Type(s): CENTRON,SENTINEL

PE Type Code(s): N16,N17,N18

Meter Classification: SSS*NI

Methodology: Double Sampling Phase 1

Population: 35035

Sample Size: 181

Full Load Test Summary

Mean: 100.016

Standard Deviation: 0.0624

Number of Tests > 102%: 0

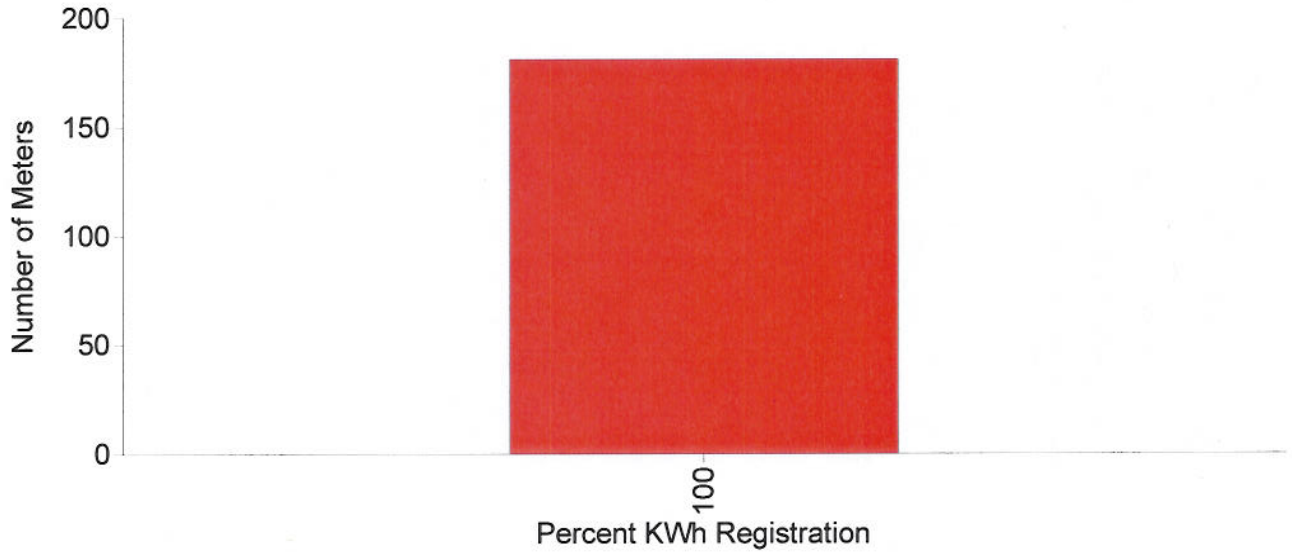
Number of Tests 98 - 102%: 181

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Sample test since the number of fast watthour meters is less than 1

Histogram of Group 46 Meter Accuracies



2009 Periodic Test Program

Progress Energy Carolinas, Inc.
2009 Watthour Meter Periodic Tests
Watthour Meter Groupings

Group	Manufacturer	Type(s)	Description	Test Plan	Sample Size	Population	Pass/Fail
802	General Electric	KV2C	Three-phase and network, self-contained, T-rated, demand and TOU	Periodic-Field Test	86	1204	Pass
803	General Electric	I70	Self-contained non-demand	Periodic-Field Test	4	47	N/A*
812	General Electric	VRM 65, VRM66	Three-phase, self-contained, TOU	Periodic-Field Test	19	129	N/A*
813	General Electric	VRM63, VRM64, DSRM64	Three-phase, self-contained, TOU	Periodic-Field Test	124	1076	Pass
816	General Electric	V64	Three-phase, T-rated, TOU	Periodic-Field Test	7	24	N/A*
818	General Electric	V63, V64	Three-phase, T-rated, non-demand		131	1624	
819	General Electric	V63, V64, D64	Three-phase, T-rated, electronic demand	Periodic-Field Test	282	3281	Pass
827	ABB	D4, D5, AB, DP	Three-phase, T-rated, non-demand	Periodic-Field Test	31	139	N/A*
828	ABB	D5	Three-phase, T-rated, electronic demand	Periodic-Field Test	16	239	N/A*
833	Sangamo	SL4	Three-phase, T-rated, non-demand	Periodic-Field Test	5	52	N/A*
835	Sangamo	SL4	Three-phase, T-rated, electronic demand	Periodic-Field Test	1	1	N/A*
839	ABB/Elster	A1, A3	Three-phase and network, self-contained, demand and TOU	Periodic-Field Test	77	920	Pass
840	Transdata	EMS, Mark-V	Three-phase, T-rated, solid state	Periodic-Field Test	285	647	Pass
844	General Electric	EV	Three-phase and network, self-contained, demand and TOU	Periodic-Field Test	48	245	N/A*
845	General Electric	EV	Three-phase, T-rated, demand and TOU	Periodic-Field Test	388	4596	Pass
846	ABB/Elster	A1, A3	Three-phase, T-rated,	Periodic-Field Test	713	9532	Pass

			demand and TOU				
848	Landis & Gyr	AX4	Three-phase, T-rated, TOU	Periodic-Field Test	303	4376	Pass
849	General Electric	KV	Three-phase and network, self-contained and T-rated, demand and TOU	Periodic-Field Test	120	1542	Pass
860	Ametek	Jemstar, C120	Three-phase, T-rated, solid state	Periodic-Field Test	57	121	N/A*
861	General Electric	KV2C	Three-phase, T-rated, TOU	Periodic-Field Test	351	5246	Pass
901	ABB	D5SE	Single-phase, T-rated, electronic demand	Periodic-Field Test	306	447	Pass
902	Sangamo	J5	Single-phase, self-contained and T-rated, electronic demand	Periodic-Field Test	129	179	Pass
903	Sangamo	SL5SD	Three-phase, self-contained, electronic demand	Periodic-Field Test	2	16	N/A*
915	General Electric	VM65, VM66	Three-phase, self-contained, electronic demand	Periodic-Field Test	42	313	N/A*
924	ABB	D5	Three-phase, self-contained, electronic demand	Periodic-Field Test	23	100	N/A*
934	Landis & Gyr	AX	Three-phase, self-contained, demand and T-rated	Periodic-Field Test	187	2857	Pass

*Requires 75 tests to determine pass-fail criteria

Progress Energy - Carolinas

2009 FIELD PERIODIC

Watthour Meter Group 802 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): KV2C

PE Type Code(s): LV3,LV4,RB1,RB4,RB6

Meter Classification: S***NI

Methodology: Periodic Test

Population: 1204

Sample Size: 86

Full Load Test Summary

Mean: 99.927

Standard Deviation: 0.2203

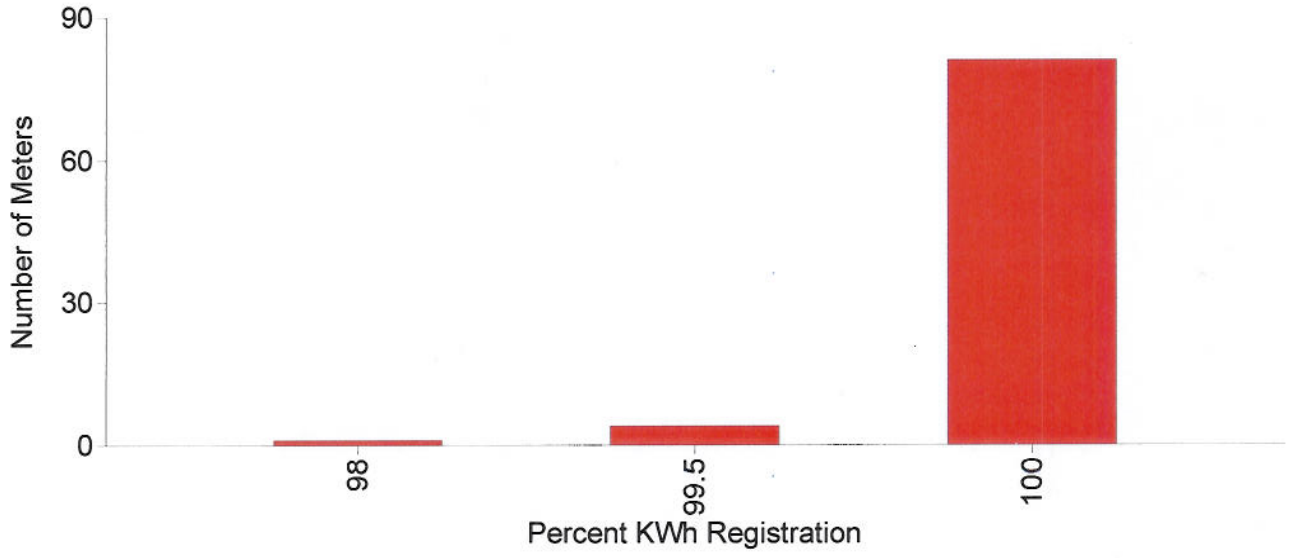
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 86

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 802 Meter Accuracies



Progress Energy - Carolinas

2009 FIELD PERIODIC

Watthour Meter Group 803 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): I70

PE Type Code(s): G36,G38,G44

Meter Classification: NDS1*I

Methodology: Periodic Test

Population: 47

Sample Size: 4

Full Load Test Summary

Mean: 99.915

Standard Deviation: 0.4568

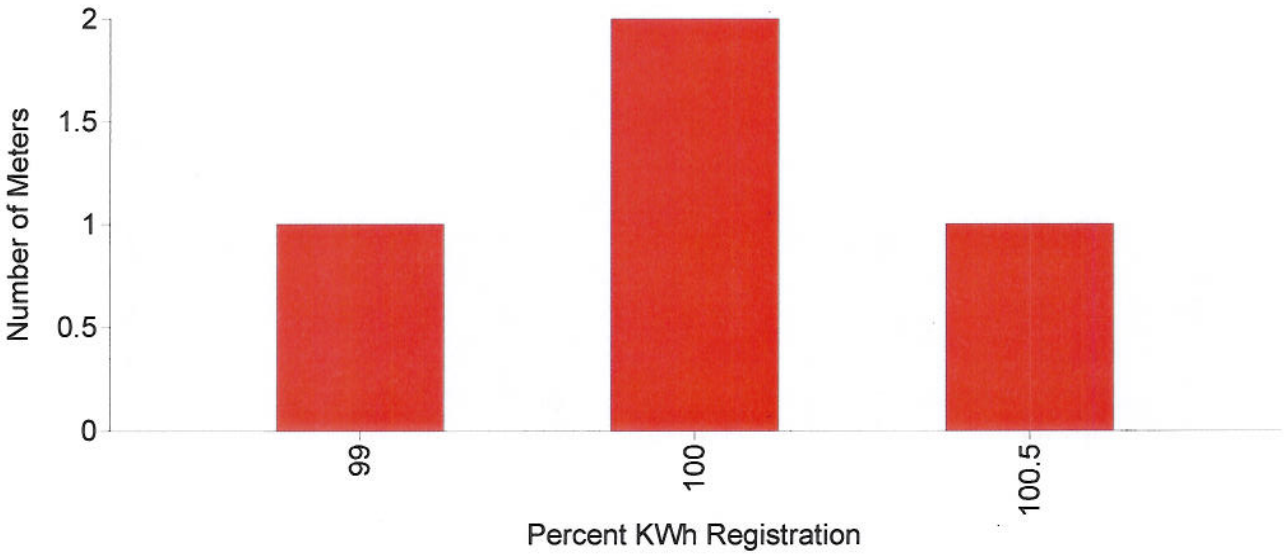
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 4

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 803 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 812 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): VRM65,VRM66

PE Type Code(s): R72,R79,R82

Meter Classification: TOS3NI

Methodology: Periodic Test

Population: 129

Sample Size: 19

Full Load Test Summary

Mean: 100.031

Standard Deviation: 0.2463

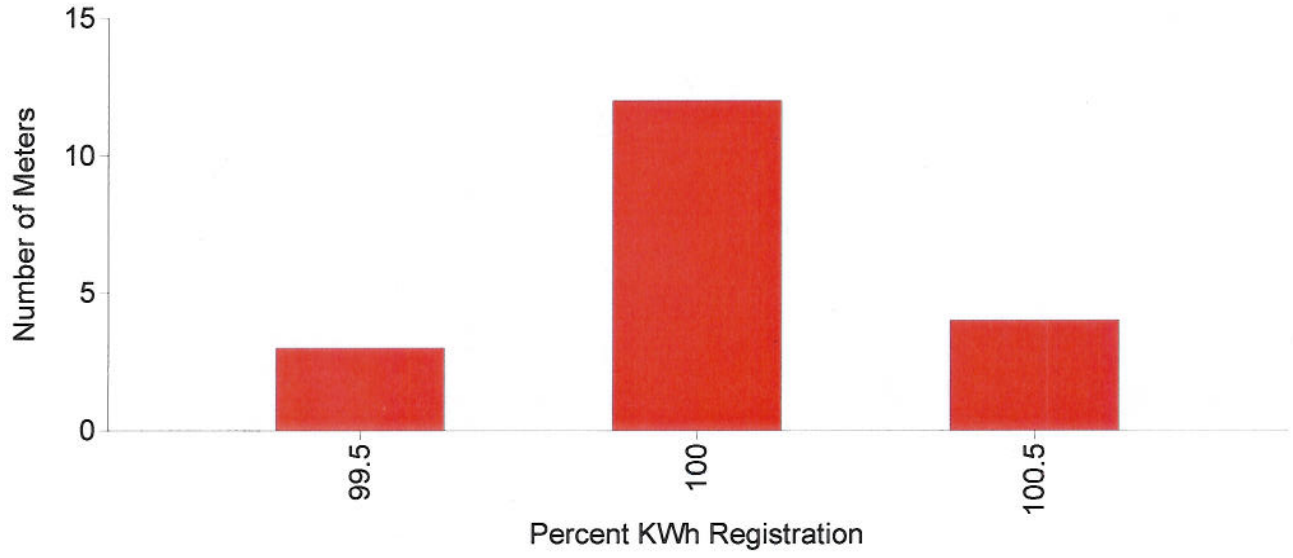
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 19

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 812 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 813 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): VRM63,VRM64,DSRM64

PE Type Code(s): LB9,LC8,LG6,LG8,LH8,LH9

Meter Classification: TOT3NI

Methodology: Periodic Test

Population: 1076

Sample Size: 124

Full Load Test Summary

Mean: 99.675

Standard Deviation: 3.4144

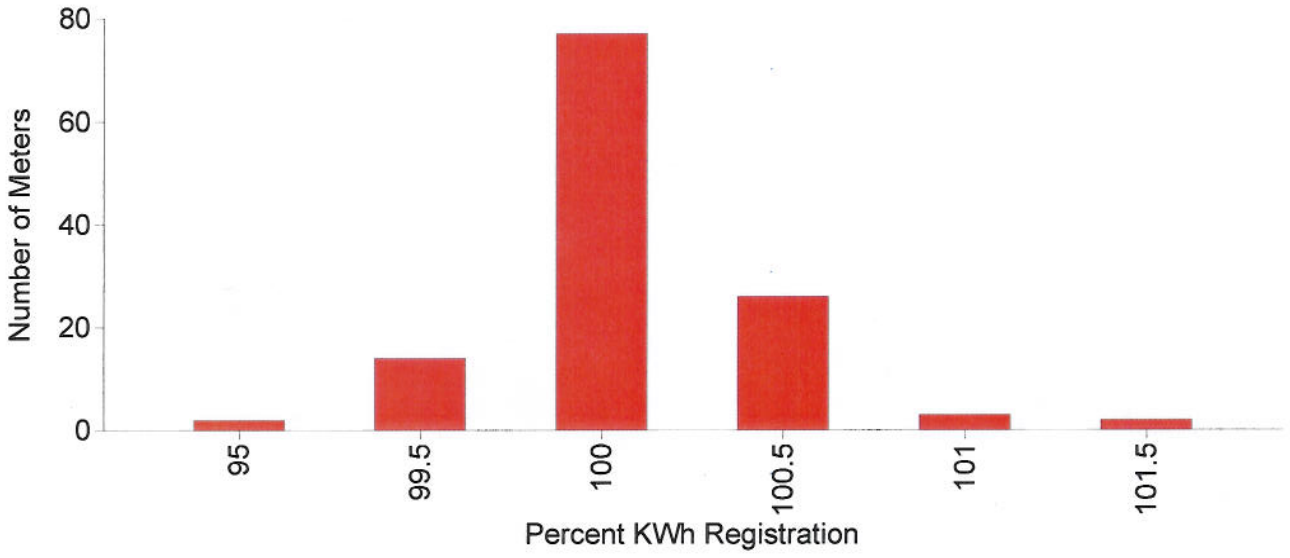
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 122

Number of Tests < 98%: 2

Group Test Summary

Histogram of Group 813 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 816 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): V64

PE Type Code(s): LB8,LG5

Meter Classification: TOT3WI

Methodology: Periodic Test

Population: 24

Sample Size: 7

Full Load Test Summary

Mean: 100.211

Standard Deviation: 0.2314

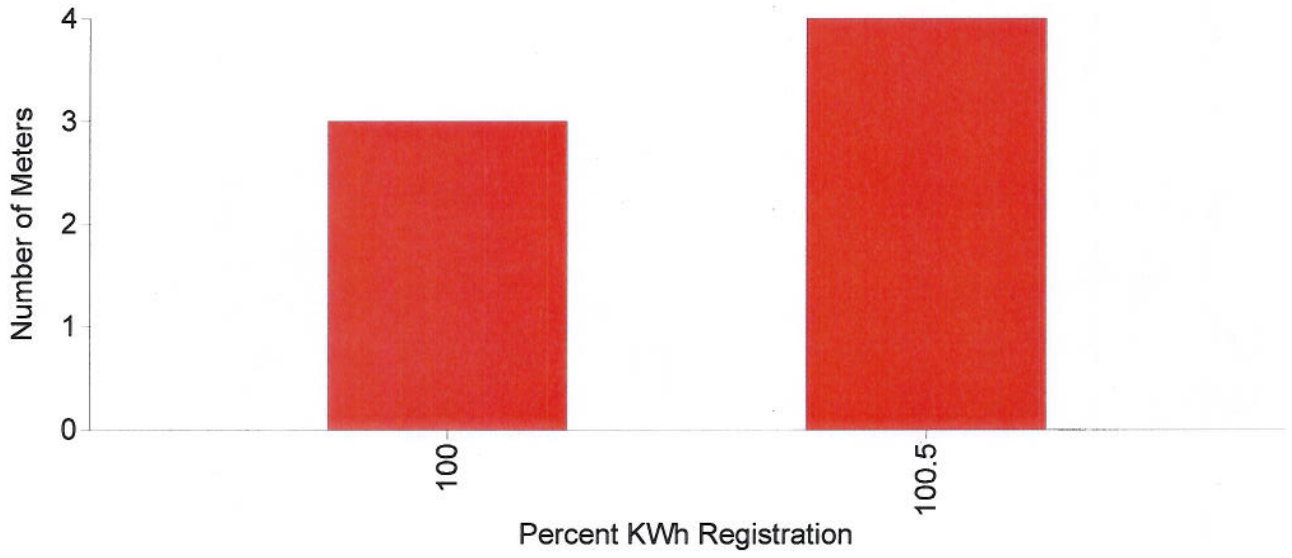
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 7

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 816 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 818 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): V63,V64

PE Type Code(s): L42,L45,L48,L64,LD2,LD3,LE7,LE8,LE9,LF1,LF7,LF8

Meter Classification: NDT3NI

Methodology: Periodic Test

Population: 1624

Sample Size: 131

Full Load Test Summary

Mean: 99.696

Standard Deviation: 4.2993

Number of Tests > 102%: 0

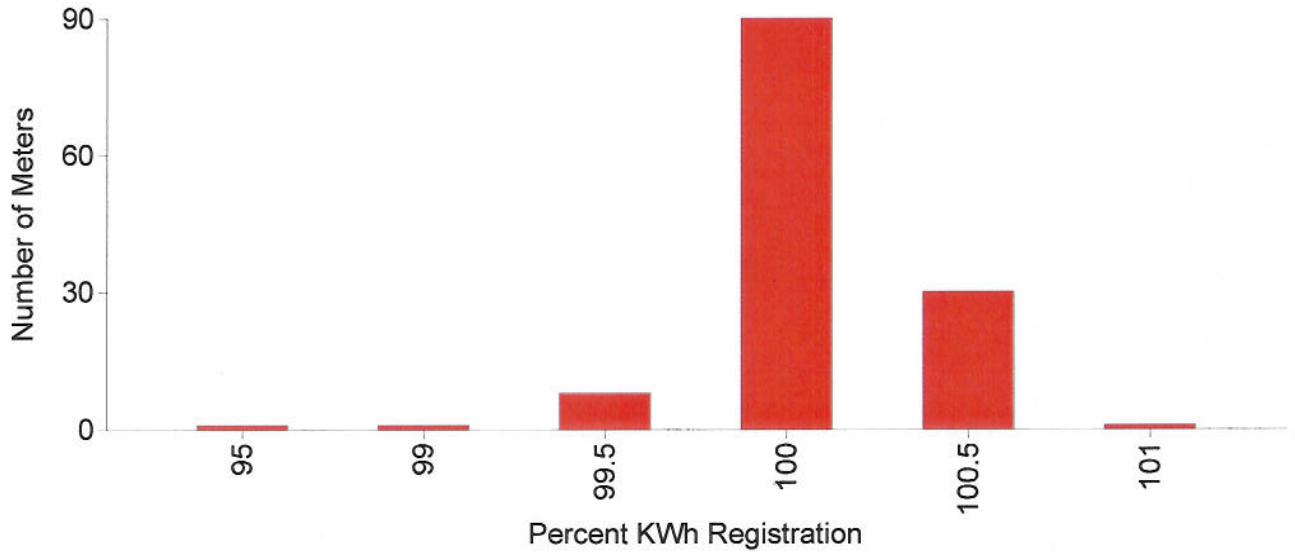
Number of Tests 98 - 102%: 130

Number of Tests < 98%: 1

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 1

Histogram of Group 818 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 819 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): V63,V64,D64

PE Type Code(s): LB3,LB4,LB5,LC1,LC5,LD1,LD4,LD5,LF2,LF3,LF4,LF5,LF6,LF9,LJ4

Meter Classification: EDT3*I

Methodology: Periodic Test

Population: 3281

Sample Size: 282

Full Load Test Summary

Mean: 99.786

Standard Deviation: 4.1487

Number of Tests > 102%: 0

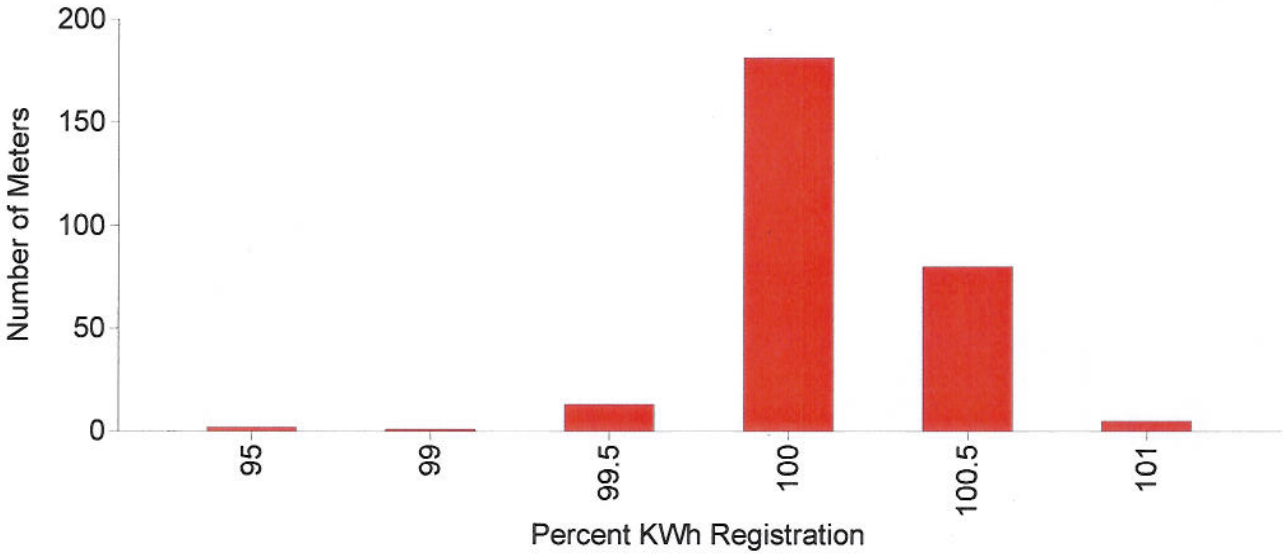
Number of Tests 98 - 102%: 280

Number of Tests < 98%: 2

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 4

Histogram of Group 819 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 827 Summary

Group Information

Manufacturer: ABB

Watthour Meter Type(s): D4,D5,AB,DP

PE Type Code(s): T03,T33,T42,T76,T77,T79,TB7,TB8,TB9,TC1,TC2,TC3

Meter Classification: NDT3NI

Methodology: Periodic Test

Population: 139

Sample Size: 31

Full Load Test Summary

Mean: 100.029

Standard Deviation: 0.2878

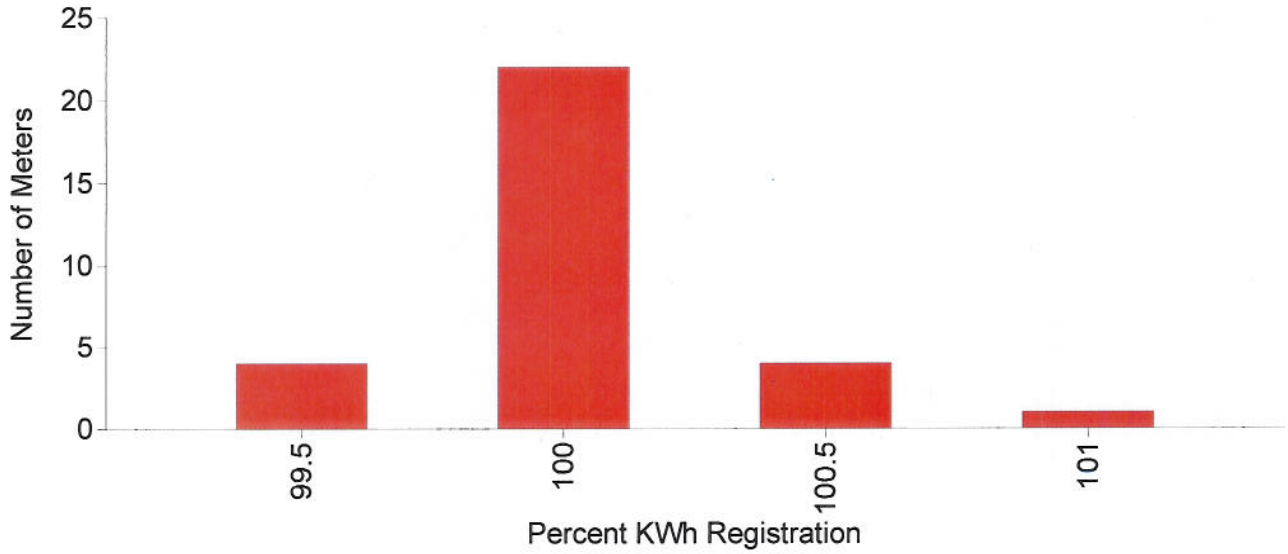
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 31

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 827 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 828 Summary

Group Information

Manufacturer: ABB

Watthour Meter Type(s): D5

PE Type Code(s): T71,T72,T80,T96

Meter Classification: EDT3NI

Methodology: Periodic Test

Population: 239

Sample Size: 16

Full Load Test Summary

Mean: 96.956

Standard Deviation: 12.1258

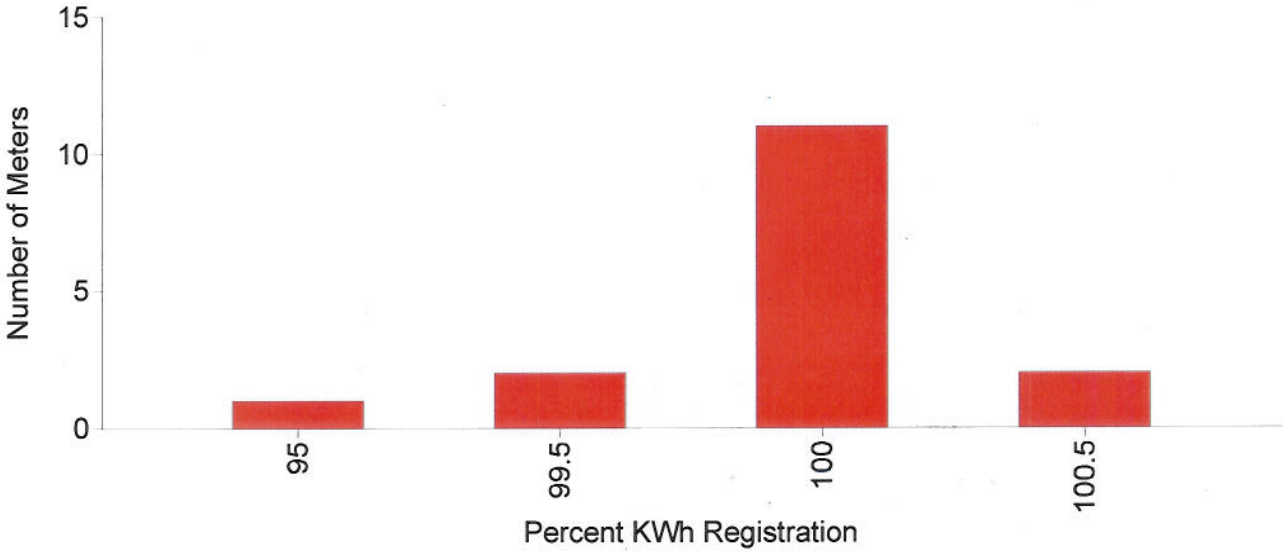
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 15

Number of Tests < 98%: 1

Group Test Summary

Histogram of Group 828 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 833 Summary

Group Information

Manufacturer: SANGAMO

Watthour Meter Type(s): SL4

PE Type Code(s): M29

Meter Classification: NDT3NI

Methodology: Periodic Test

Population: 52

Sample Size: 5

Full Load Test Summary

Mean: 99.824

Standard Deviation: 0.0891

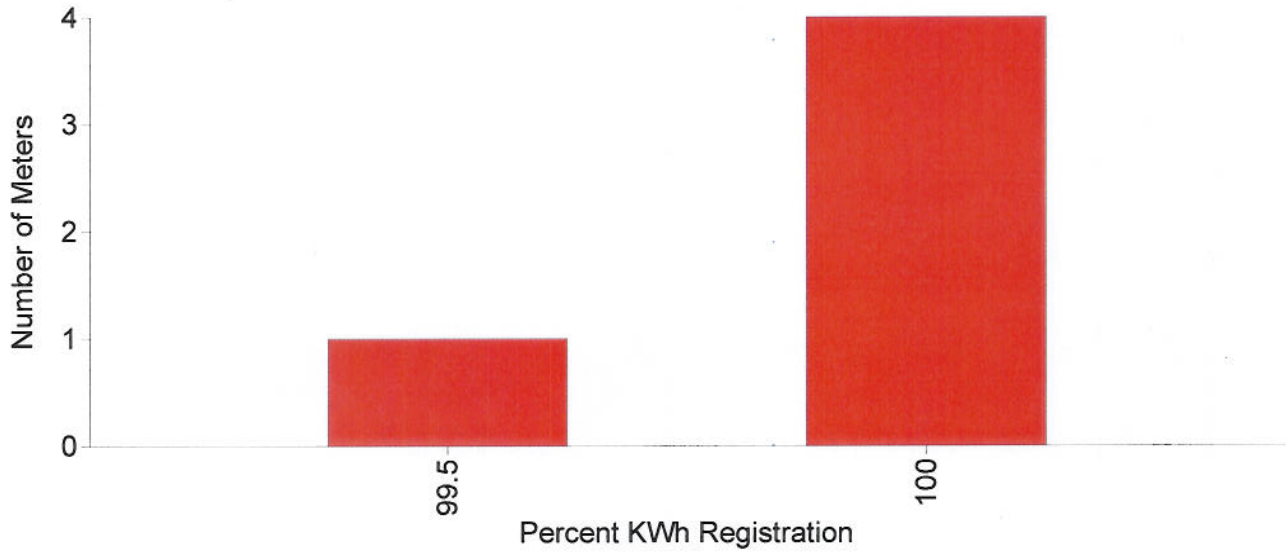
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 5

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 833 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 835 Summary

Group Information

Manufacturer: SAN

Watthour Meter Type(s): SL4

PE Type Code(s): M31

Meter Classification: EDT3NI

Methodology: Periodic Test

Population: 1

Sample Size: 1

Full Load Test Summary

Mean: 99.75

Standard Deviation: 0

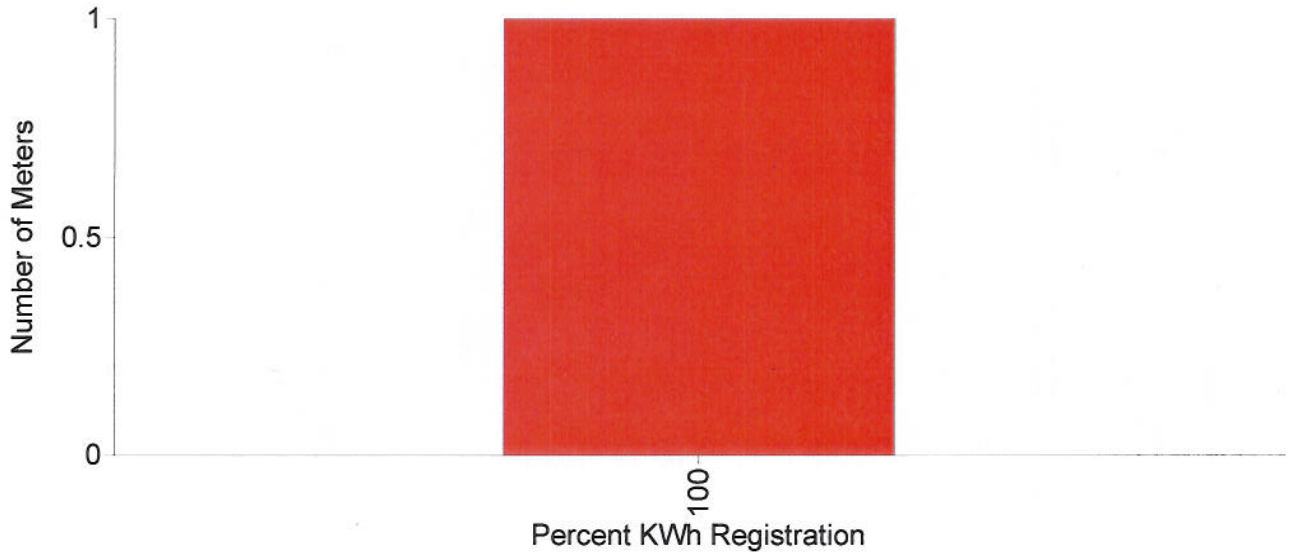
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 1

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 835 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 839 Summary

Group Information

Manufacturer: ABB/ELSTER

Watthour Meter Type(s): A1,A3

PE Type Code(s): Y40,Y41,Y42,Y49,Y50,Y51,Y52,Y53,Y54,Y55,Y56,Y57,Y58,Y59,Y60,Y61,Y62, Y64,Y65,Y66,Y67,Y69,Y70

Meter Classification: S*S**I

Methodology: Periodic Test

Population: 920

Sample Size: 77

Full Load Test Summary

Mean: 99.933

Standard Deviation: 0.0675

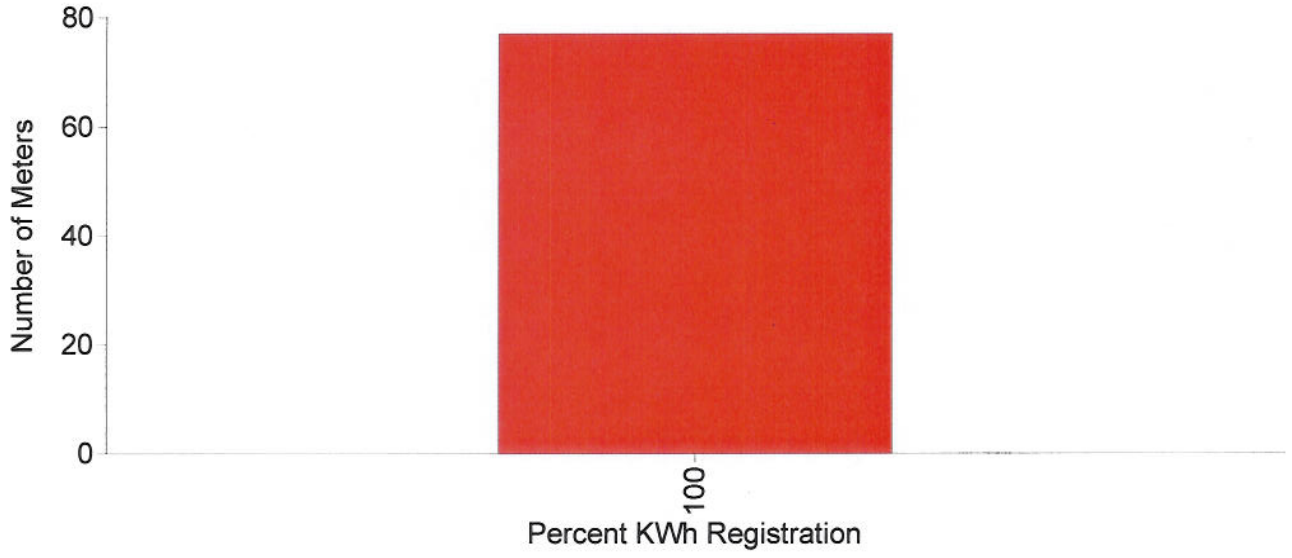
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 77

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 839 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 840 Summary

Group Information

Manufacturer: TD

Watthour Meter Type(s): MARK V,EMS

PE Type Code(s): Z03,Z04,Z05,Z06,Z07,Z08,Z09,Z17,Z18,Z19,Z20,Z21,Z27,Z31,Z32,Z34,Z35, Z36,Z37,Z38,Z39,Z40,Z41,Z42,Z43,Z44,Z45,Z46,Z47,Z48,Z49,Z50,Z51,Z52,Z53, Z54,Z55,Z56,Z57,Z58,Z59,Z60,Z61,Z62,Z63,Z64,Z65,Z66,Z67,Z68,Z69,Z70,Z71, Z72,Z73,Z74,Z75,Z76,Z77,Z78

Meter Classification: SST3WI

Methodology: Periodic Test

Population: 647

Sample Size: 285

Full Load Test Summary

Mean: 99.501

Standard Deviation: 5.3573

Number of Tests > 102%: 0

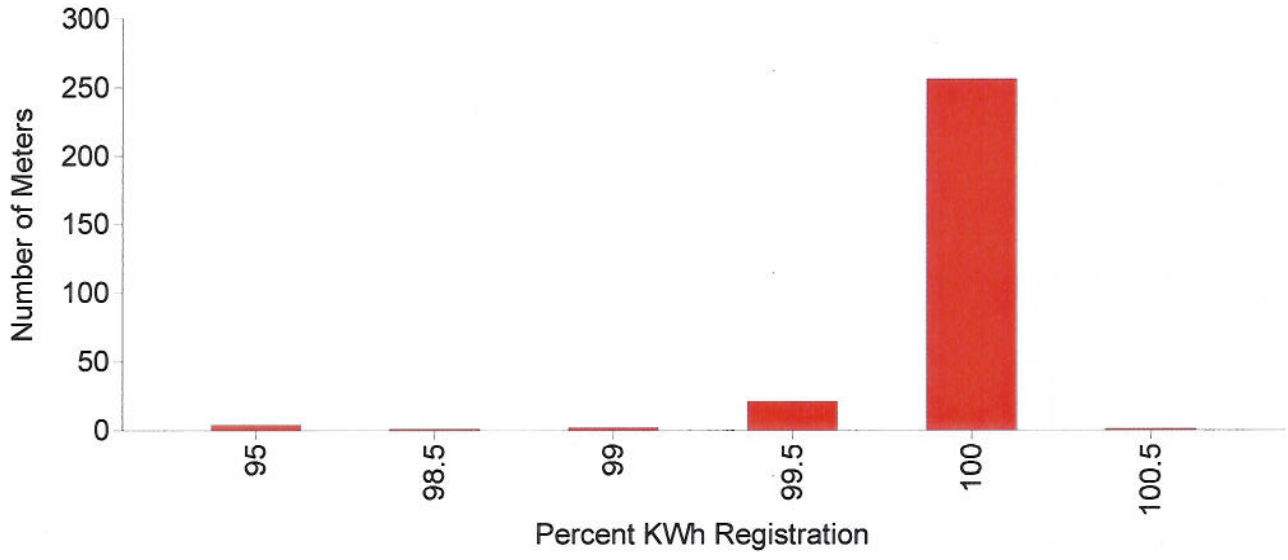
Number of Tests 98 - 102%: 281

Number of Tests < 98%: 4

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 4

Histogram of Group 840 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 844 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): EV

PE Type Code(s): R87,R88,R89,R90,R91,R92,R93,R94,R95

Meter Classification: S*S*NI

Methodology: Periodic Test

Population: 245

Sample Size: 48

Full Load Test Summary

Mean: 99.961

Standard Deviation: 0.2794

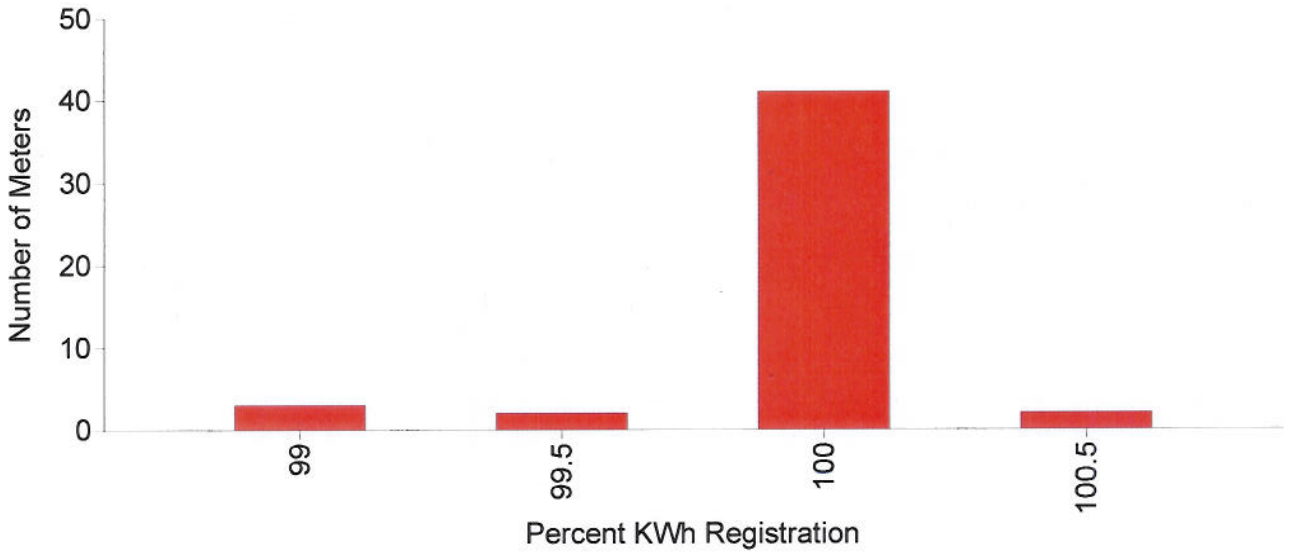
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 48

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 844 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 845 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): EV

PE Type Code(s): LJ5,LJ6,LJ7,LJ8,LJ9,LK1,LK2,LK3,LK4,LK5,LK6,LK7,LK8,LK9,LL1,LL2,LL3, LL4,LL6,LL7,LL8,LL9,LM1,LM2,LM3,LM4,LM5,LM6,LM7,LN1,LN2,LN3,LN4

Meter Classification: S*T3*I

Methodology: Periodic Test

Population: 4596

Sample Size: 388

Full Load Test Summary

Mean: 99.729

Standard Deviation: 4.0068

Number of Tests > 102%: 1

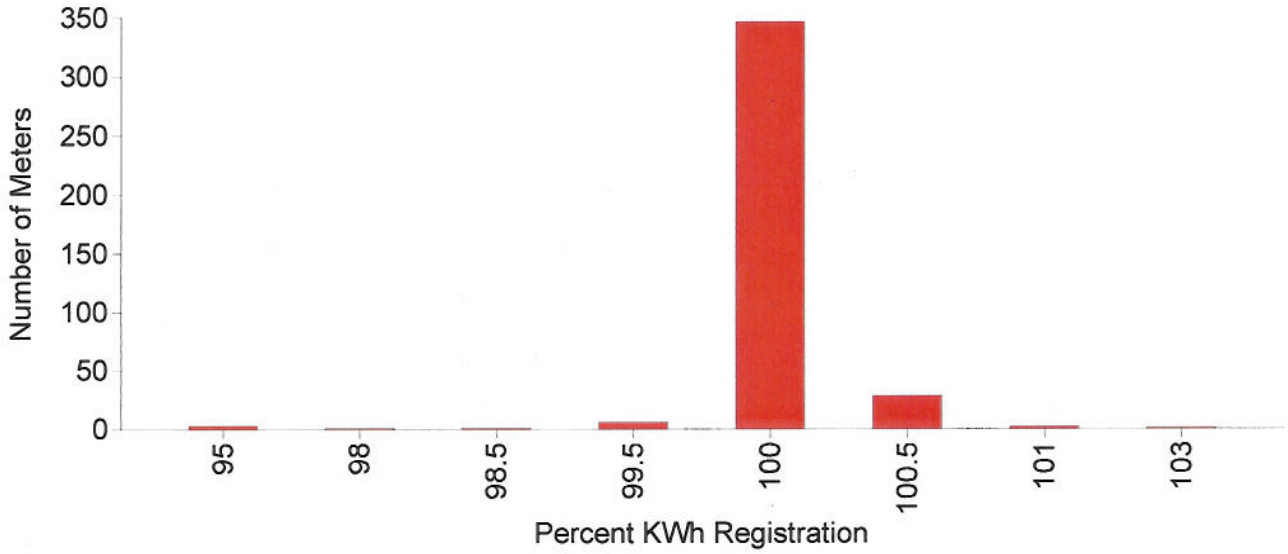
Number of Tests 98 - 102%: 384

Number of Tests < 98%: 3

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 6

Histogram of Group 845 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 846 Summary

Group Information

Manufacturer: ABB/ELSTER

Watthour Meter Type(s): A1,A3

PE Type Code(s): T98,T99,TA3,TA4,TA5,TA6,TA7,TA8,TA9,TB1,TC6,TC7,TC8,TC9,TD1,TD2,TD3, TD4,TD5,TD6,TD7,TD8,TD9,TE1,TE2,TE3,TF3,TF4,TF5,TF6,TF7,TF8,TF9,TG1,TG2, TG3,TG4,TG5,TH1,TH2,TH3,TH4,TH6,TH7,TH8,TH9,TJ1,TJ2,TJ3,TJ4,TJ5,TJ6,TJ7, TJ8,TJ9,TK1,TK2,TK3,TK4,TK7,TK8,TK9,TL1,TL2,TL3,TL4,TL5,TL7,TL8,TL9, TM1 ,TM2,TM3,TM4,TM5,TM6,TM7,TM8,TM9

Meter Classification: S*T3*I

Methodology: Periodic Test

Population: 9532

Sample Size: 713

Full Load Test Summary

Mean: 99.877

Standard Deviation: 1.2611

Number of Tests > 102%: 0

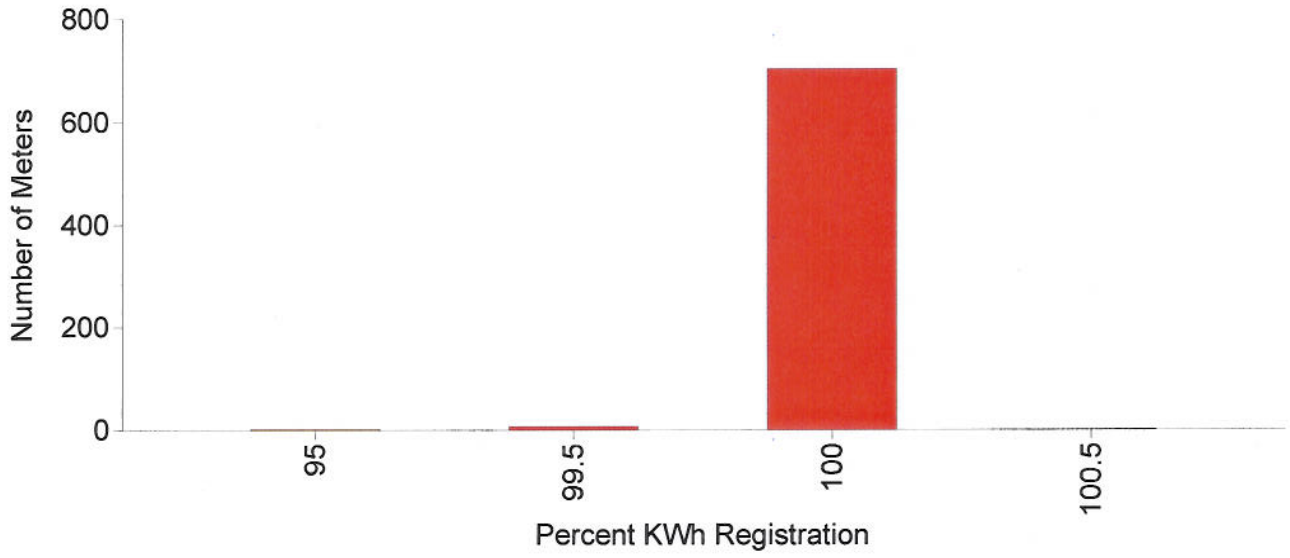
Number of Tests 98 - 102%: 711

Number of Tests < 98%: 2

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 15

Histogram of Group 846 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 848 Summary

Group Information

Manufacturer: L&G

Watthour Meter Type(s): AX-4

PE Type Code(s): K15,K16

Meter Classification: STT3NI

Methodology: Periodic Test

Population: 4376

Sample Size: 303

Full Load Test Summary

Mean: 99.975

Standard Deviation: 0.9463

Number of Tests > 102%: 0

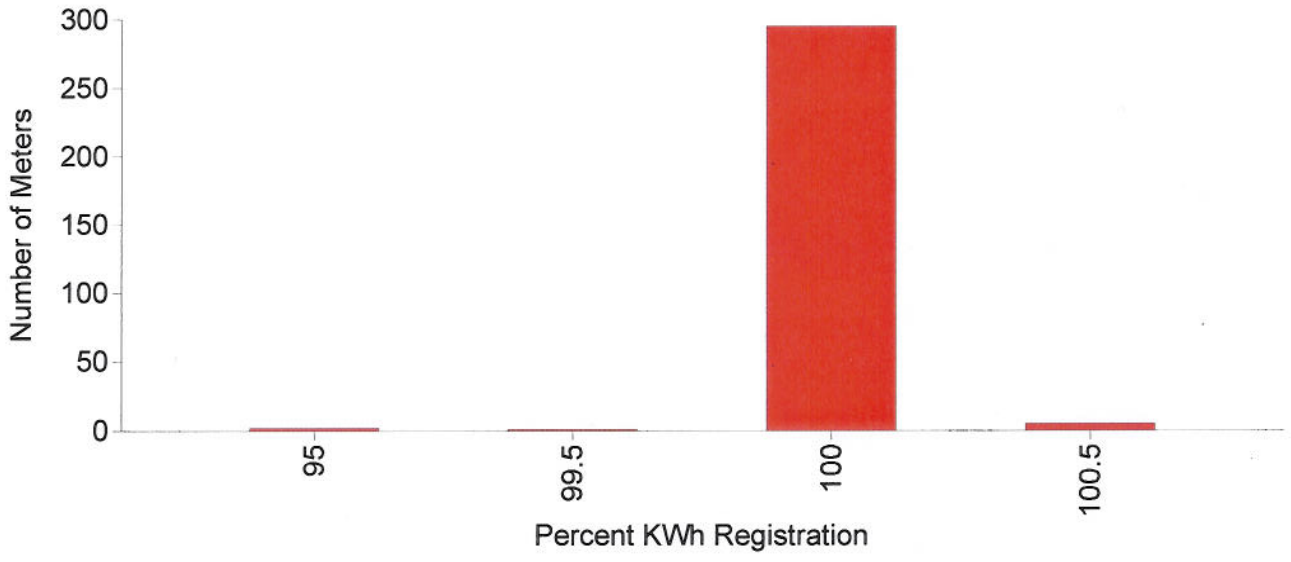
Number of Tests 98 - 102%: 301

Number of Tests < 98%: 2

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 4

Histogram of Group 848 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 849 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): KV

PE Type Code(s): LT4,LT5,R98,R99,RA1,RA2,RA3,RA4,RA5,RA6,RA7,RA8,RA9,RB2,RB3,RB5

Meter Classification: S****I

Methodology: Periodic Test

Population: 1542

Sample Size: 120

Full Load Test Summary

Mean: 99.982

Standard Deviation: 0.2916

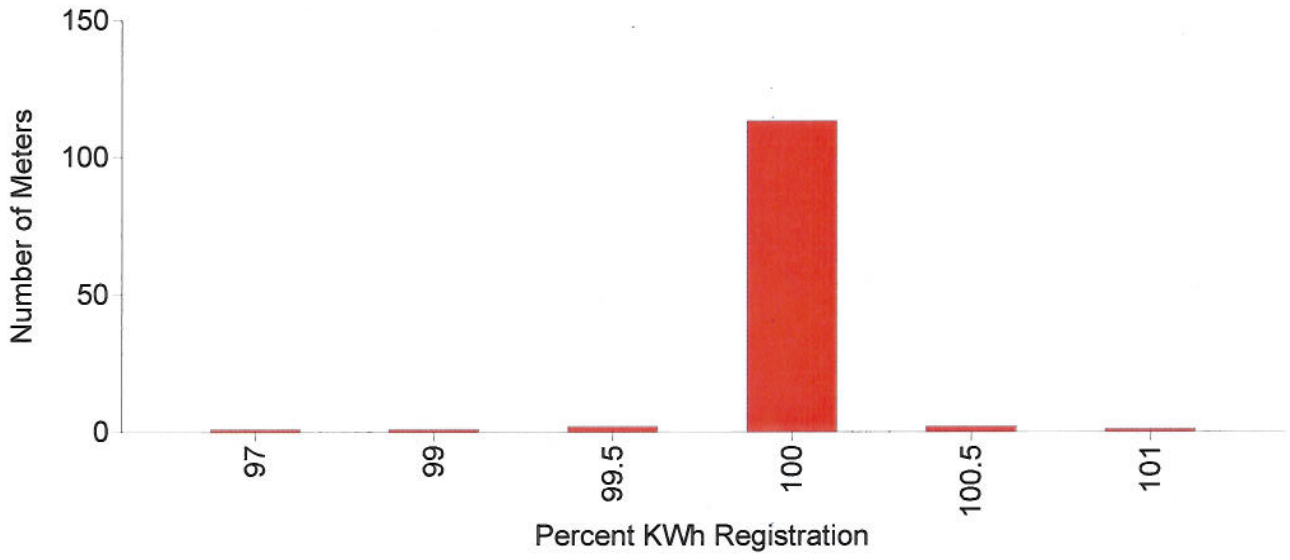
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 119

Number of Tests < 98%: 1

Group Test Summary

Histogram of Group 849 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 860 Summary

Group Information

Manufacturer: AMETEK

Watthour Meter Type(s): JEMSTAR,CI20

PE Type Code(s): J06,J07,J08,J09,J10,J11,J12,J13,J14,J15,J16,J17,J18,J19,J20,J21,J22, J23,J24,J25,J26

Meter Classification: SST3WI

Methodology: Periodic Test

Population: 121

Sample Size: 57

Full Load Test Summary

Mean: 99.836

Standard Deviation: 0.5523

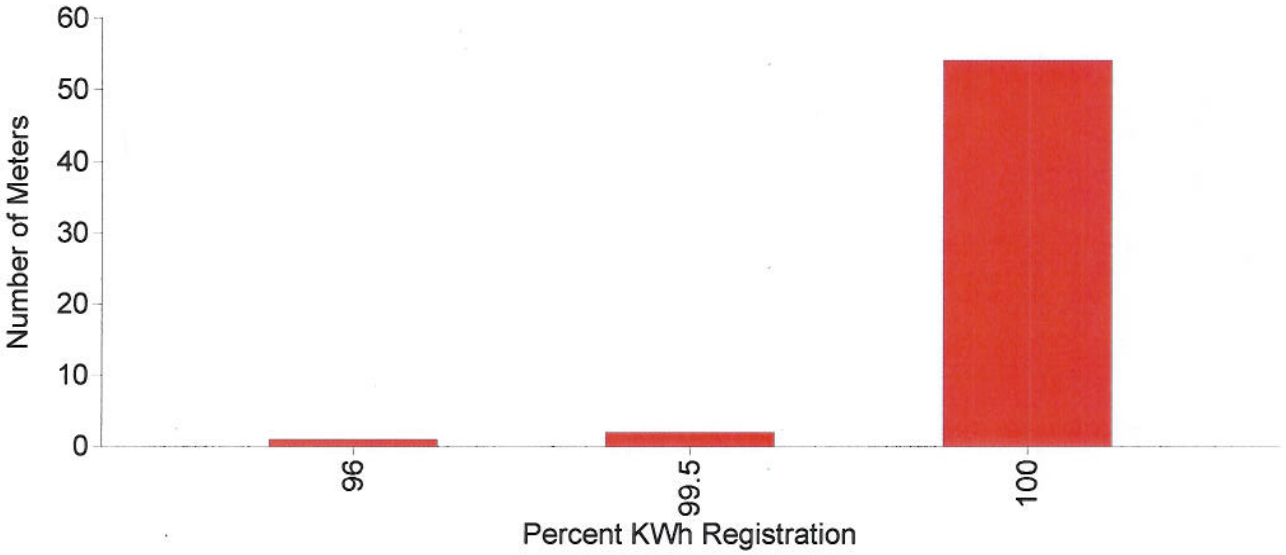
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 56

Number of Tests < 98%: 1

Group Test Summary

Histogram of Group 860 Meter Accuracies



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2009 FIELD PERIODIC

Watthour Meter Group 861 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): KV2C

PE Type Code(s): LT7,LT8,LT9,LV1,LV2

Meter Classification: STT3*I

Methodology: Periodic Test

Population: 5246

Sample Size: 351

Full Load Test Summary

Mean: 99.973

Standard Deviation: 0.1358

Number of Tests > 102%: 0

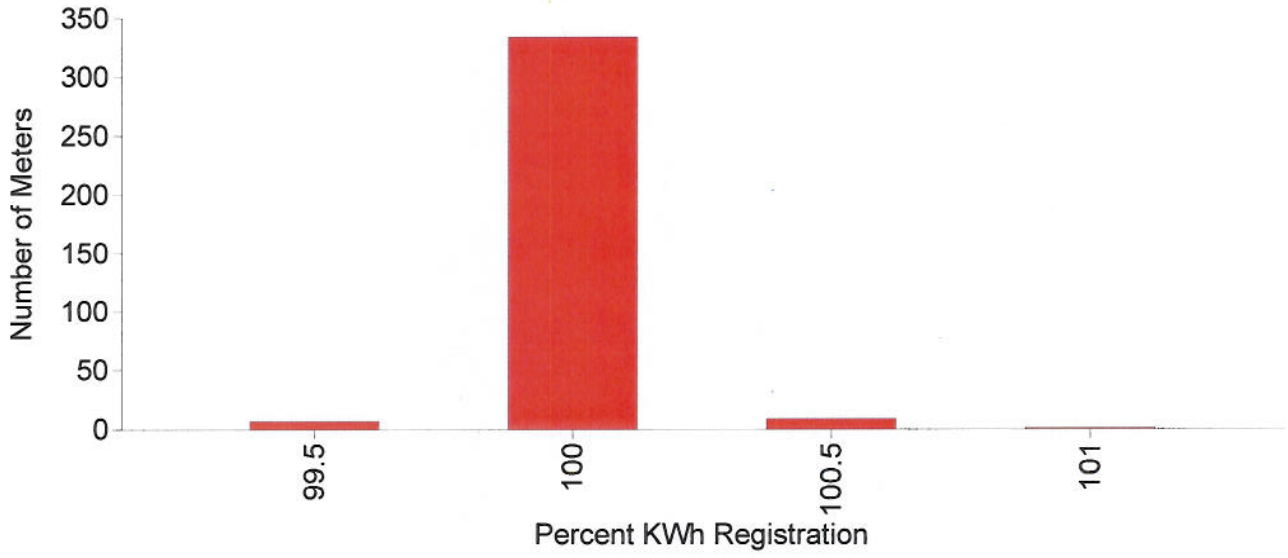
Number of Tests 98 - 102%: 351

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 6

Histogram of Group 861 Meter Accuracies



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2009 SHOP PERIODIC

Watthour Meter Group 901 Summary

Group Information

Manufacturer: ABB

Watthour Meter Type(s): D5SE

PE Type Code(s): T73,T78

Meter Classification: EDT1NI

Methodology: Periodic Test

Population: 447

Sample Size: 306

Full Load Test Summary

Mean: 100.27

Standard Deviation: 0.2056

Number of Tests > 102%: 0

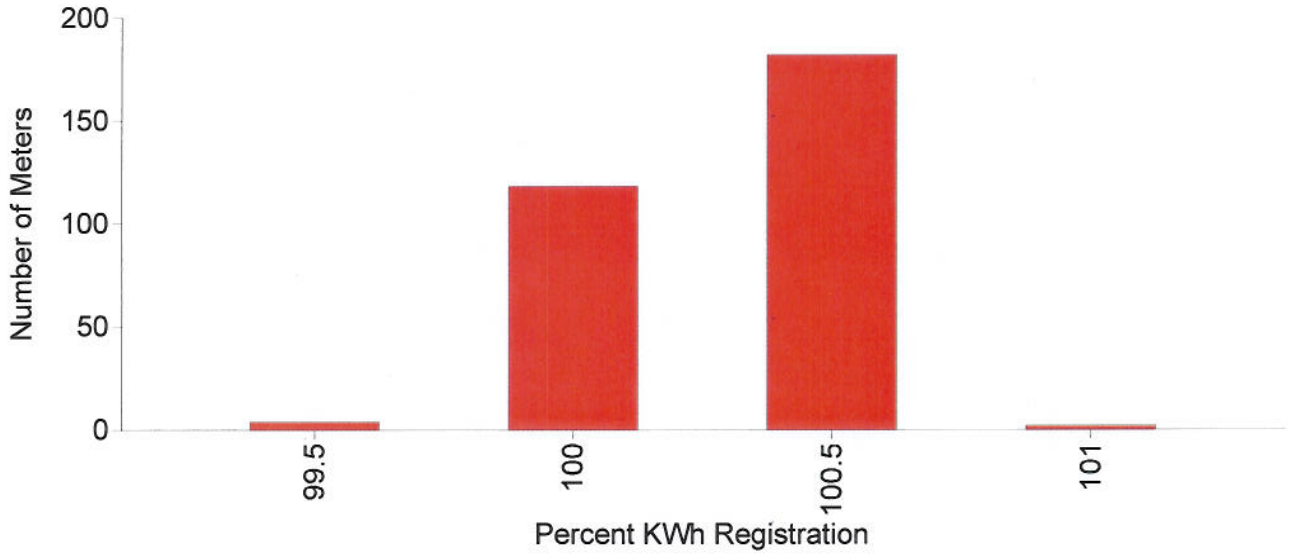
Number of Tests 98 - 102%: 306

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 4

Histogram of Group 901 Meter Accuracies



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2009 SHOP PERIODIC

Watthour Meter Group 902 Summary

Group Information

Manufacturer: SAN

Watthour Meter Type(s): J5

PE Type Code(s): A16,A17,A18,A21,M26

Meter Classification: ED*1*I

Methodology: Periodic Test

Population: 179

Sample Size: 129

Full Load Test Summary

Mean: 100.143

Standard Deviation: 0.4354

Number of Tests > 102%: 0

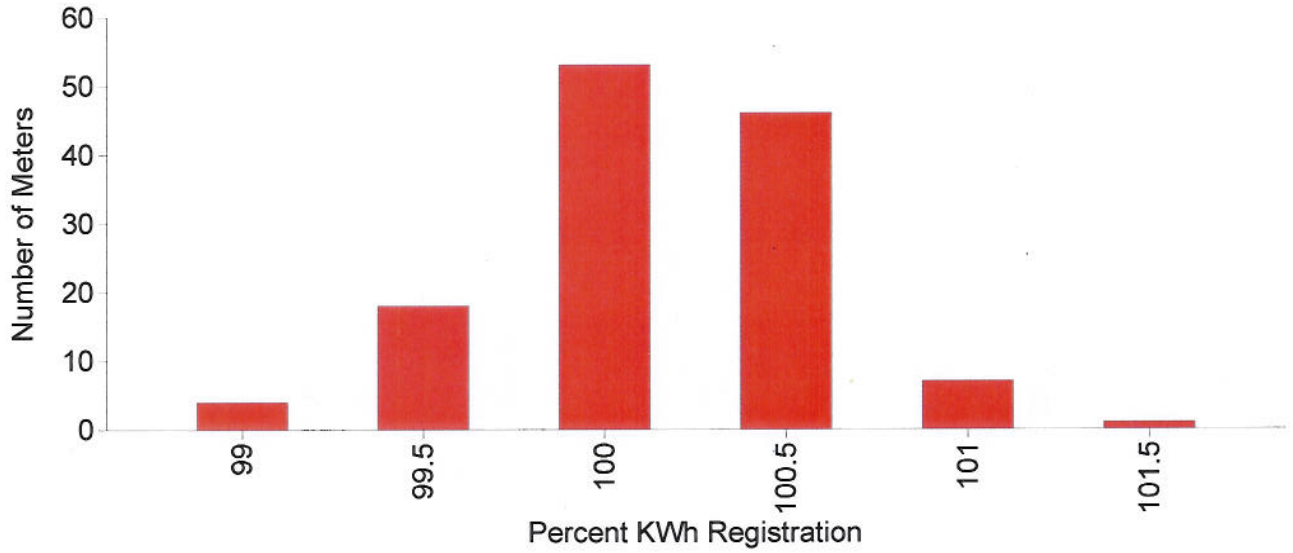
Number of Tests 98 - 102%: 129

Number of Tests < 98%: 0

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 1

Histogram of Group 902 Meter Accuracies



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2009 SHOP PERIODIC

Watthour Meter Group 903 Summary

Group Information

Manufacturer: SAN

Watthour Meter Type(s): SL5SD

PE Type Code(s): N14

Meter Classification: EDS3NI

Methodology: Periodic Test

Population: 16

Sample Size: 2

Full Load Test Summary

Mean: 101.035

Standard Deviation: 0.095

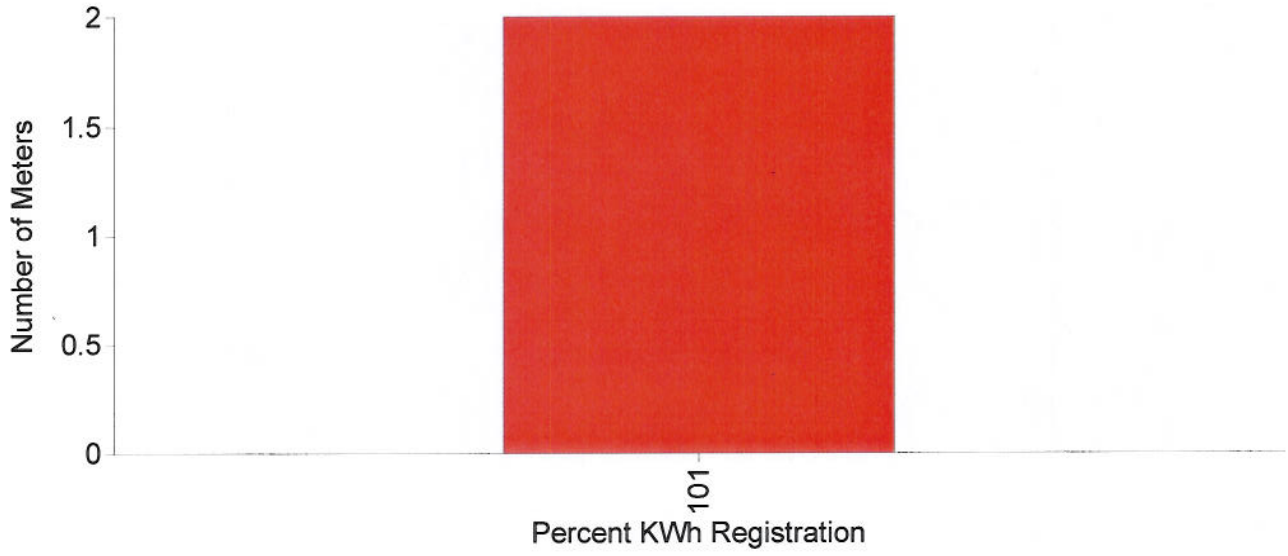
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 2

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 903 Meter Accuracies



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2009 SHOP PERIODIC

Watthour Meter Group 915 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): VM65,VM66

PE Type Code(s): R68,R69,R70,R86

Meter Classification: EDS3NI

Methodology: Periodic Test

Population: 313

Sample Size: 42

Full Load Test Summary

Mean: 98.753

Standard Deviation: 7.5259

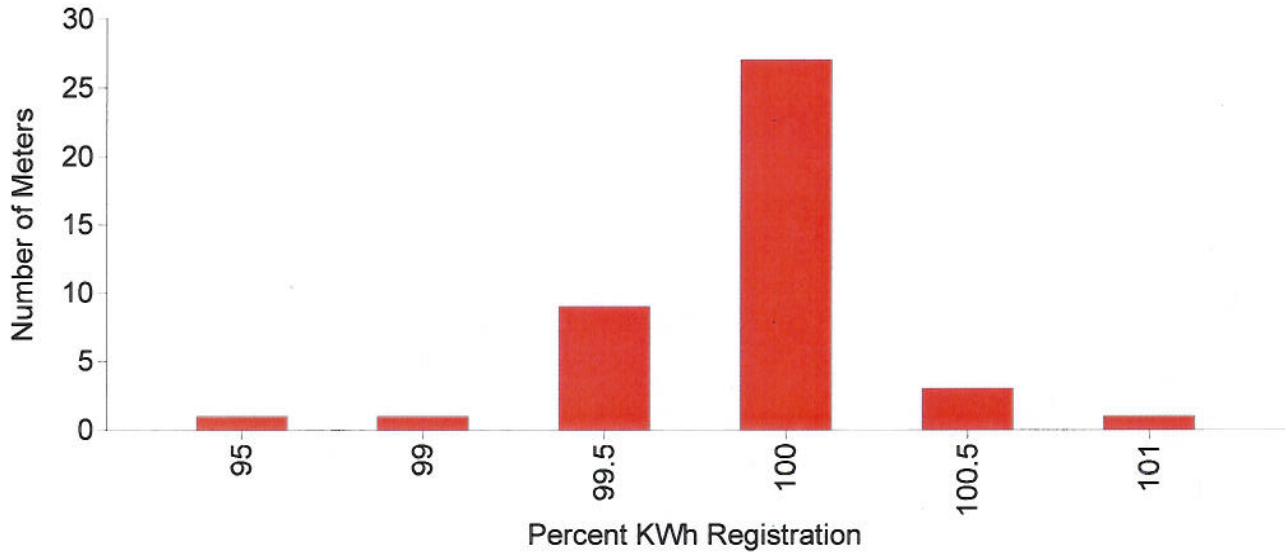
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 41

Number of Tests < 98%: 1

Group Test Summary

Histogram of Group 915 Meter Accuracies



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2009 SHOP PERIODIC

Watthour Meter Group 924 Summary

Group Information

Manufacturer: ABB

Watthour Meter Type(s): D5

PE Type Code(s): Y35,Y36

Meter Classification: EDS3NI

Methodology: Periodic Test

Population: 100

Sample Size: 23

Full Load Test Summary

Mean: 100.339

Standard Deviation: 0.3352

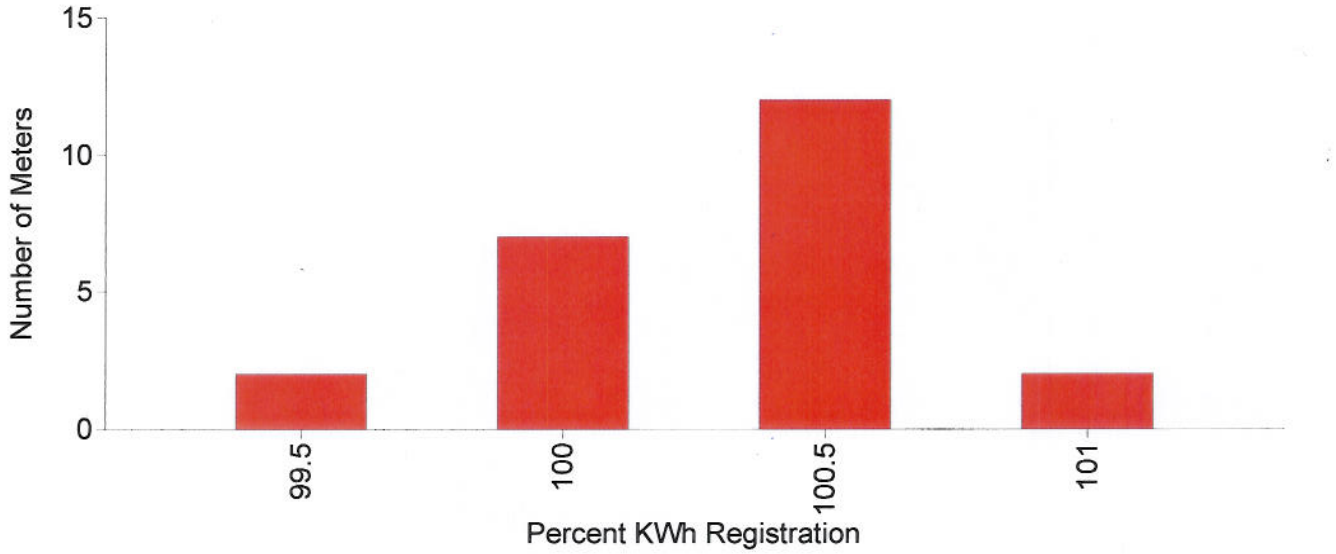
Number of Tests > 102%: 0

Number of Tests 98 - 102%: 23

Number of Tests < 98%: 0

Group Test Summary

Histogram of Group 924 Meter Accuracies



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2009 SHOP PERIODIC

Watthour Meter Group 934 Summary

Group Information

Manufacturer: L&G

Watthour Meter Type(s): AX

PE Type Code(s): C10,C11,C12,C16,C17

Meter Classification: S*S3NI

Methodology: Periodic Test

Population: 2857

Sample Size: 187

Full Load Test Summary

Mean: 99.468

Standard Deviation: 4.1647

Number of Tests > 102%: 0

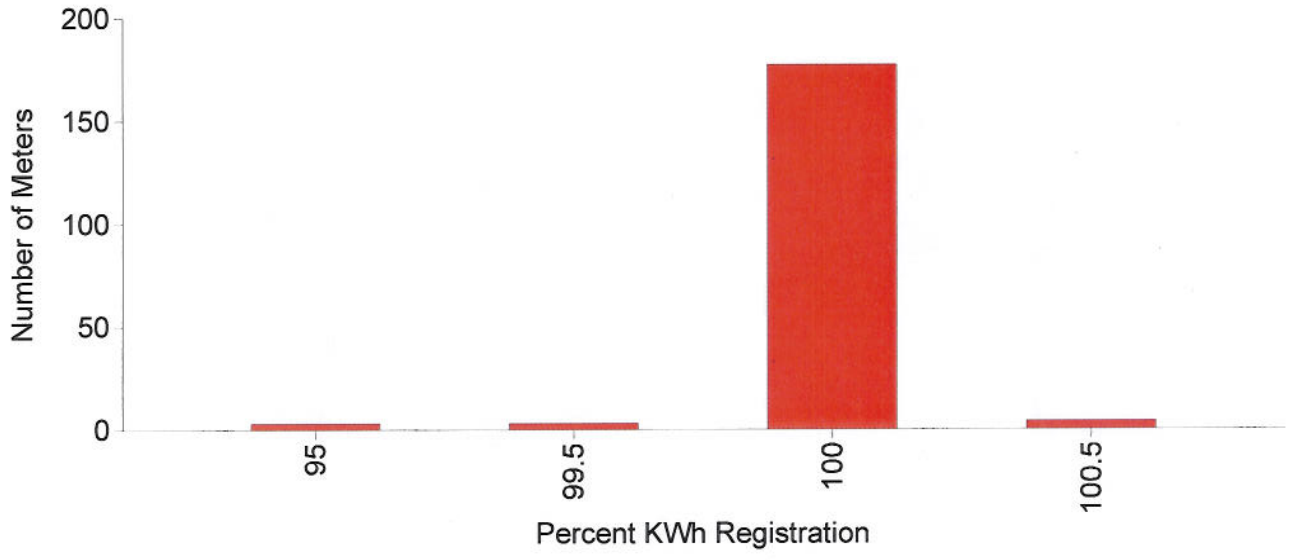
Number of Tests 98 - 102%: 184

Number of Tests < 98%: 3

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 2

Histogram of Group 934 Meter Accuracies



2009 KV Corrective Action Program

Progress Energy Carolinas, Inc.
2009 KV Corrective Action Meter Periodic Tests
Watthour Meter Grouping

Group	Manufacturer	Type(s)	Description	Test Plan	Sample Size	Population	Pass/Fail
847	General Electric	KV	Three-phase, T-rated, demand and TOU	Periodic-Field Test	1372	4185	Pass**

**2009 corrective action program will continue until all meters are tested

Progress Energy - Carolinas

2009 KV CORRECTIVE ACTION

Watthour Meter Group 847 Summary

Group Information

Manufacturer: GE

Watthour Meter Type(s): KV

PE Type Code(s): LN6,LN7,LN8,LN9,LP1,LP2,LP3,LP4,LP5,LP6,LP7,LP8,LP9,LR1,LR2,LR3,LR4, LR5,LR6,LR7,LR9,LT1,LT2

Meter Classification: S*T3*I

Methodology: Periodic Test

Population: 4185

Sample Size: 1372

Full Load Test Summary

Mean: 99.682

Standard Deviation: 3.143

Number of Tests > 102%: 10

Number of Tests 98 - 102%: 1336

Number of Tests < 98%: 26

Group Test Summary

This Group PASSES the Periodic test since the number of fast watthour meters is less than 30

Histogram of Group 847 Meter Accuracies